

DESIGNING FOR BEHAVIOR CHANGE APPLYING PSYCHOLOGY PDF

Designing for Behavior Change Applying Psychology

In today's rapidly evolving world, influencing human behavior through design has become a critical strategy across various industries—from health and wellness to marketing and environmental sustainability. Whether encouraging users to adopt healthier habits, promoting sustainable practices, or improving user engagement, understanding the psychological underpinnings of behavior change is essential for creating effective, impactful designs. This article explores how principles of psychology can be integrated into design practices to facilitate meaningful and lasting behavior change, offering practical insights and strategies to designers, marketers, and behavioral scientists alike.

Understanding the Foundations of Behavior Change and Psychology

Before diving into design tactics, it's important to grasp the core psychological theories that explain why people behave the way they do and how those behaviors can be influenced.

Key Psychological Theories Influencing Behavior Change

- The Transtheoretical Model (Stages of Change): This model describes five stages individuals go through when modifying behavior—precontemplation, contemplation, preparation, action, and maintenance. Effective design aligns with these stages to support progress.
- Social Cognitive Theory: Emphasizes the role of observational learning, self-efficacy, and outcome expectations in behavior change. Designs that showcase role models or reinforce self-belief can enhance adoption.
- Behaviorism: Focuses on reinforcement and punishment as drivers of behavior. Incentives, rewards, or consequences can be embedded within design to shape actions.
- Self-Determination Theory: Highlights the importance of autonomy, competence, and relatedness. Designs that foster these psychological needs can motivate intrinsic motivation.

- Nudge Theory: Suggests subtle cues and environmental adjustments can nudge individuals toward desired behaviors without restricting choice.

Principles of Psychological Design for Behavior Change

Effective behavior change design leverages psychological insights to motivate, reinforce, and sustain new behaviors.

1. Simplicity and Clarity

- Reduce cognitive load by making actions straightforward.
- Use clear instructions and visual cues to guide behavior.
- Example: Simplified onboarding processes in health apps to encourage regular exercise.

2. Social Proof and Norms

- Highlight how others are behaving to influence individual choices.
- Incorporate testimonials, user statistics, or community features.
- Example: Showing that 80% of users have quit smoking after using a cessation app.

3. Incentives and Rewards

- Use tangible or intangible rewards to reinforce desired behaviors.
- Implement gamification elements like badges, points, or leaderboards.
- Example: Rewards for consistent water intake tracking in wellness apps.

4. Commitment and Goal Setting

- Encourage users to set specific, achievable goals.
- Use commitment devices such as reminders or pledge features.
- Example: Users committing publicly to a fitness goal increases accountability.

5. Feedback and Self-Monitoring

- Provide real-time feedback to reinforce progress.
- Enable users to track their behavior over time.

- Example: Progress charts showing calorie intake or activity levels.

6. Personalization

- Tailor content and interventions to individual preferences and circumstances.
- Increase relevance and motivation.
- Example: Customized meal plans based on dietary preferences.

Applying Psychological Strategies in Design Contexts

Different design contexts demand tailored approaches grounded in psychology.

Health and Wellness Applications

- Use self-efficacy building techniques by providing achievable milestones.
- Incorporate social support features, such as community groups or peer challenges.
- Design habit-forming routines with triggers and cues.

Sustainable and Eco-Friendly Design

- Highlight social proof of eco-friendly behaviors.
- Use nudges like default options for sustainable choices.
- Reward sustainable actions to reinforce habits.

Digital Products and User Engagement

- Employ gamification to motivate continued use.
- Use progress indicators to promote a sense of achievement.
- Implement personalized notifications to sustain engagement.

Case Studies of Psychological Design for Behavior Change

Examining real-world examples illustrates how integrating psychology can lead to success.

Case Study 1: Duolingo Language Learning App

- Uses gamification, streaks, and badges to motivate daily practice.
- Implements social features to foster community and accountability.
- Provides immediate feedback to reinforce learning.

Case Study 2: FitBit and Wearable Fitness Devices

- Leverages self-monitoring and real-time feedback.
- Sets achievable goals with visual progress tracking.
- Incorporates social sharing and competitions.

Challenges and Ethical Considerations

While designing for behavior change, ethical considerations are paramount.

- Avoid Manipulation: Ensure designs respect user autonomy and avoid exploitative tactics.
- Transparency: Clearly communicate data usage and the intent behind nudges.
- Inclusivity: Design for diverse populations, considering accessibility and cultural differences.
- Sustainability: Aim for long-term behavior change rather than short-term compliance.

Conclusion: Integrating Psychology for Lasting Impact

Designing for behavior change by applying psychological principles is a powerful approach to creating meaningful and sustainable transformations. By understanding human motivation, leveraging social influences, providing clear feedback, and respecting ethical boundaries, designers can craft experiences that not only guide users toward desired outcomes but also empower them to maintain these behaviors over time. Whether in health, sustainability, or digital engagement, the intersection of psychology and design offers limitless possibilities for positive change.

Keywords for SEO Optimization: behavior change, psychology in design, behavior psychology, nudging, habit formation, user engagement, health behavior, sustainable design, motivational psychology, behavioral science, digital nudges, gamification, self-efficacy, social proof, feedback loops

Designing for Behavior Change Applying Psychology

Designing for behavior change is a compelling discipline that blends principles from psychology, behavioral science, and design to influence how individuals act, think, and feel. Whether it's encouraging healthier habits, promoting sustainable choices, or increasing user engagement, understanding the psychological underpinnings of human behavior is essential. By integrating these

insights into the design process, creators can craft experiences and products that motivate, reinforce, or modify behaviors in meaningful and sustainable ways. This approach not only enhances the effectiveness of interventions but also ensures that they resonate deeply with users' intrinsic motivations and cognitive processes.

Understanding the Foundations of Behavior Change in Psychology

Before diving into design strategies, it's important to grasp the core psychological theories that underpin behavior change. These theories offer valuable insights into why people act the way they do and how their behaviors can be influenced.

Key Psychological Theories

- Behaviorism: Focuses on observable behaviors and the role of reinforcement and punishment in shaping actions. For example, rewarding healthy eating habits to encourage continued practice.
- Cognitive Behavioral Theory (CBT): Emphasizes the interplay between thoughts, feelings, and behaviors, highlighting the importance of changing thought patterns to influence actions.
- Self-Determination Theory: Centers on motivation, particularly intrinsic motivation, autonomy, competence, and relatedness as drivers of behavior.
- Nudge Theory: Suggests that subtle environmental cues or 'nudges' can steer people toward desirable behaviors without restricting freedom of choice.
- Theory of Planned Behavior: Highlights the roles of attitudes, subjective norms, and perceived behavioral control in shaping intentions and subsequent actions.

Understanding these theories allows designers to craft interventions that align with how users naturally think and behave, increasing the likelihood of successful behavior change.

Principles of Designing for Behavior Change

Effective design for behavior change hinges on applying specific principles rooted in psychological science. These principles serve as guidelines for creating interventions that are both compelling and ethically sound.

1. Simplicity and Clarity

- Reduce cognitive load by making actions straightforward.
- Use clear instructions and minimize unnecessary steps.
- Example: A fitness app that simplifies goal setting with intuitive prompts.

2. Personalization and Relevance

- Tailor messages and interventions to individual preferences and contexts.
- Use data-driven insights to deliver relevant content.
- Example: Personalized health tips based on user activity patterns.

3. Reinforcement and Feedback

- Provide immediate and meaningful feedback to reinforce desired behaviors.
- Use rewards, badges, or progress indicators.
- Pros:
 - Enhances motivation.
 - Reinforces positive habits.
- Cons:
 - Over-reliance on extrinsic rewards may diminish intrinsic motivation.

4. Social Influence and Norms

- Leverage social proof to normalize desired behaviors.
- Incorporate social sharing or community features.
- Example: Showing users how their activity compares to peers.

5. Habit Formation Strategies

- Encourage repetition in consistent contexts.
- Use cues or triggers to prompt behaviors.
- Example: Drinking water after morning coffee as a habit cue.

6. Autonomy and Choice

- Offer options to foster a sense of control.
- Avoid coercive or overly prescriptive designs.
- Pros:
 - Promotes sustained engagement.
 - Respects user agency.
- Cons:

- Too many choices can lead to decision fatigue.

Applying Psychological Concepts to Design Interventions

In practice, these principles translate into concrete strategies and features within digital or physical environments.

Behavioral Nudges

- Subtle cues that influence decision-making.
- Features:
 - Default options (opt-in vs. opt-out).
 - Reminders and prompts.
 - Visual cues to guide choices.
- Pros:
 - Non-intrusive.
 - Cost-effective.
- Cons:
 - Ethical considerations regarding manipulation.

Gamification

- Incorporates game elements to motivate and engage users.
- Features include points, leaderboards, challenges.
- Features:
 - Rewards for milestones.
 - Social competition.
- Pros:
 - Increases engagement.
 - Reinforces habit formation.
- Cons:
 - May overshadow intrinsic motivations if overused.

Goal Setting and Self-Monitoring

- Helps users define clear, achievable goals.
- Enables tracking progress.
- Features:

- Progress dashboards.
- Reminders to review goals.
- Benefits:
- Enhances self-efficacy.
- Provides a sense of achievement.

Leveraging Social Norms

- Show users how their behavior compares to others.
- Use testimonials and community stories.
- Impact:
- Motivates change through social proof.
- Builds community support.

Ethical Considerations in Designing for Behavior Change

While applying psychological principles can be powerful, ethical considerations are paramount.

Respect for Autonomy

- Ensure users retain control over their choices.
- Avoid manipulative tactics that undermine free will.

Transparency

- Clearly communicate how data is used.
- Disclose the purpose behind interventions.

Beneficence and Non-Maleficence

- Aim to promote well-being.
- Avoid actions that could cause harm or distress.

Equity and Accessibility

- Design inclusive interventions accessible to diverse populations.

- Consider cultural sensitivities and different literacy levels.

Case Studies and Examples

Example 1: Digital Health Apps

Many health apps utilize behavior change principles like goal setting, feedback, and social sharing. For instance, Fitbit incorporates progress tracking, badges, and community challenges to motivate users. These features leverage reinforcement, social influence, and habit formation.

Example 2: Eco-Friendly Behavior Campaigns

Public campaigns promoting recycling or reduced energy consumption often use social norms and nudges. For example, utility bills comparing a household's energy use to neighbors can motivate reductions through social proof.

Example 3: Workplace Wellness Programs

Organizations implement wellness initiatives with incentives, peer support, and personalized coaching to foster healthier behaviors among employees.

Measuring Success and Iterative Improvement

Designing for behavior change is an ongoing process. Success metrics might include behavior frequency, consistency, or health outcomes. Using data analytics, user feedback, and A/B testing can inform iterative improvements, ensuring interventions remain effective and ethically sound.

Conclusion

Designing for behavior change by applying psychology is a nuanced, impactful approach that requires a deep understanding of human motivation, cognition, and social influence. When thoughtfully implemented, these principles can create meaningful, sustainable change in individuals' lives and communities. The key lies in balancing persuasive strategies with ethical responsibility, ensuring that interventions empower users rather than manipulate them. As technology advances and our understanding of psychology deepens, the potential for innovative, effective behavior change designs continues to grow, promising a future where design and psychology collaboratively foster healthier, more engaged societies.

Question How can understanding psychological principles enhance the effectiveness of behavior change designs? **Answer** Understanding psychological principles allows designers to tap into intrinsic motivations, cognitive biases, and emotional triggers, making interventions more persuasive

and sustainable in promoting desired behaviors. What are some common psychological techniques used in designing for behavior change? Techniques such as nudging, habit formation strategies, social proof, goal setting, and feedback loops are commonly employed to influence behavior by leveraging psychological insights. How does user motivation influence the success of behavior change interventions? User motivation determines engagement levels; designing with motivational factors in mind ensures that individuals find the change meaningful and are more likely to adopt and maintain new behaviors. What role does cognitive load play in designing behavior change solutions? Reducing cognitive load simplifies decision-making, making it easier for users to adopt new behaviors; clear, intuitive designs prevent overwhelm and facilitate smoother behavior transitions. How can feedback and reinforcement be applied in design to sustain behavior change? Providing timely, personalized feedback and positive reinforcement reinforces desired behaviors, helping to build habits and maintain long-term change by satisfying psychological needs such as competence and relatedness.

Related keywords: behavior change, psychology principles, user experience, persuasive design, habit formation, motivation strategies, cognitive biases, intervention design, user engagement, behavioral science

DISCOVERING PSYCHOLOGY HOCKENBURY

Discovering psychology hockenbury opens the door to a comprehensive understanding of the fascinating world of human behavior, mental processes, and scientific inquiry into the mind. For students, educators, or anyone interested in exploring the foundations of psychology, Hockenbury's work provides an accessible yet in-depth resource that bridges theoretical concepts with real-world applications. This article aims to guide you through the essentials of discovering psychology by Hockenbury, highlighting key themes, features of his approach, and why his contributions are invaluable for both beginners and advanced learners in the field.

Introduction to Hockenbury's Approach to Psychology

Harriet Hockenbury, renowned for her contributions to psychology education, co-authored the widely used textbook *Discovering Psychology*. Her approach emphasizes clarity, relevance, and engagement, making complex psychological concepts approachable for students at various levels. The book is celebrated for its balanced integration of scientific rigor and accessible language, supporting learners in understanding both foundational principles and contemporary issues.

Core Principles of Discovering Psychology by Hockenbury

The core principles that underpin Hockenbury's Discovering Psychology include:

- Empirical Evidence: Emphasizing the scientific method and evidence-based research.
- Critical Thinking: Encouraging skepticism and analytical skills.
- Diverse Perspectives: Covering various psychological schools and cultural influences.
- Application of Concepts: Linking theory to everyday life and practical scenarios.
- Historical Context: Providing background on the evolution of psychological ideas.

Key Features of Discovering Psychology by Hockenbury

Hockenbury's Discovering Psychology stands out due to several distinctive features that enhance the learning experience:

Comprehensive Content Coverage

The textbook covers a broad spectrum of psychological topics, including:

- Biological Bases of Behavior
- Sensation and Perception
- Learning and Memory
- Cognitive Psychology
- Developmental Psychology
- Personality Theories
- Psychological Disorders
- Therapy and Treatment
- Social Psychology

This extensive coverage ensures learners gain a well-rounded understanding of the field.

Engaging and Accessible Writing Style

Hockenbury employs clear, straightforward language, avoiding jargon where possible, to make psychology approachable. The inclusion of real-life examples, case studies, and anecdotes helps illustrate complex ideas in relatable ways.

Visual Aids and Infographics

The book integrates numerous diagrams, charts, and infographics that facilitate comprehension and retention of information. Visual learning tools are particularly useful in illustrating processes like

neural communication or stages of development.

Learning Aids and Resources

Additional features that support learners include:

- Chapter summaries
- Key terms lists
- Practice quizzes
- Critical thinking questions
- Online resources and interactive materials

Why Choose Discovering Psychology by Hockenbury?

For students and educators, the reasons to engage with Hockenbury's Discovering Psychology are numerous:

1. Student-Friendly Approach

The book is designed to foster curiosity and make psychology accessible. Its engaging writing style, combined with clear explanations, helps demystify complex topics.

2. Emphasis on Scientific Inquiry

Hockenbury underscores the importance of empirical research, teaching students how to evaluate scientific claims critically. This foundation prepares learners for advanced study or research careers.

3. Integration of Real-World Applications

Connecting psychological theories to real-life situations enhances relevance and motivation. Examples include understanding mental health issues, consumer behavior, or social influences.

4. Support for Diverse Learning Styles

Through varied content types—text, visuals, interactive exercises—the textbook accommodates different learning preferences.

5. Up-to-Date Content

The book reflects current research findings and contemporary issues in psychology, including topics

like digital technology's impact on mental health or cultural diversity.

How to Maximize Your Learning with Discovering Psychology Hockenbury

To fully benefit from Hockenbury's Discovering Psychology, consider these strategies:

- **Active Reading:** Take notes, highlight key concepts, and summarize sections in your own words.
- **Engage with Visuals:** Study diagrams and infographics carefully to reinforce understanding.
- **Complete Practice Questions:** Use quizzes and critical thinking prompts to test your knowledge.
- **Join Discussions:** Participate in class discussions or online forums to deepen your comprehension.
- **Apply Concepts:** Relate psychological principles to personal experiences or current events.
- **Utilize Supplementary Resources:** Explore online materials, videos, and research articles linked to chapters.

The Impact of Discovering Psychology by Hockenbury in Education

Hockenbury's Discovering Psychology has significantly influenced psychology education by:

- Making the subject approachable for beginners.
- Promoting scientific literacy among students.
- Encouraging critical thinking about behavioral claims.
- Inspiring interest in psychological research and careers.
- Providing a solid foundation for advanced study.

Its widespread adoption in universities and colleges worldwide attests to its effectiveness as a teaching tool.

Conclusion: Embarking on Your Psychology Journey with Hockenbury

Discovering psychology through Hockenbury's Discovering Psychology offers an enriching, engaging, and scientifically grounded pathway to understanding human behavior. Whether you're a student starting your psychology education, an educator seeking a comprehensive textbook, or a curious reader exploring the mind, Hockenbury's work provides valuable insights and practical tools to deepen your knowledge. By embracing the principles, features, and learning strategies outlined

above, you can unlock the complexities of psychology and appreciate the profound ways it influences our lives.

Further Resources and Next Steps

If you're inspired to delve deeper into psychology after discovering Hockenbury's textbook, consider exploring:

- Academic journals such as Journal of Psychology or Psychological Science.
- Online courses from platforms like Coursera or edX.
- Psychology podcasts and documentaries.
- Local or university psychology clubs and seminars.
- Participating in research or volunteer opportunities in mental health organizations.

Embarking on this path will enrich your understanding and open new avenues for personal and professional growth in the fascinating realm of psychology.

Discovering Psychology Hockenbury: An In-Depth Exploration of a Premier Psychology Textbook

Introduction: The Significance of Hockenbury's "Discovering Psychology"

Embarking on the journey to understand human behavior, mental processes, and the intricacies of the mind often begins with foundational texts. Among these, Discovering Psychology by Hockenbury stands out as a comprehensive and engaging resource that has guided students and enthusiasts alike through the labyrinth of psychological science. Its accessibility, clarity, and depth make it a staple in introductory psychology courses and a valuable reference for anyone interested in the human mind.

Origins and Evolution of Discovering Psychology

The Authors' Backgrounds

- David H. Hockenbury: A seasoned psychologist and educator known for his ability to distill complex concepts into understandable language.
- Sandra E. Hockenbury: An accomplished psychologist and co-author whose expertise complements David's, enriching the textbook with practical insights and contemporary research.

The Evolution of the Textbook

- Originally published in the early 2000s, *Discovering Psychology* has undergone multiple editions, reflecting advances in psychological research, inclusion of current topics, and pedagogical improvements.
- Each edition aims to balance theoretical foundations with real-world applications, ensuring relevance in a rapidly changing field.

Key Features of *Discovering Psychology*

Clear and Engaging Writing Style

- The authors excel at making complex psychological concepts accessible without oversimplification.
- Use of real-life examples, case studies, and relatable scenarios enhance comprehension and retention.

Comprehensive Coverage

- Encompasses the breadth of psychology as a discipline, including:
 - Biological bases of behavior
 - Sensation and perception
 - Learning and cognition
 - Developmental psychology
 - Personality and intelligence
 - Psychological disorders and therapies
 - Social psychology
 - Applied psychology (e.g., health, forensic, industrial-organizational)

Pedagogical Tools

- Chapter summaries: Concise recaps that reinforce key points.
- Learning objectives: Clearly outline what students should grasp after each chapter.
- Review questions: Designed to test understanding and provoke critical thinking.
- Application exercises: Encourage students to connect theory with real-life situations.
- Visual aids: Charts, diagrams, and photographs support visual learners.

Integration of Research and Contemporary Topics

- Regular updates incorporate recent studies, technological advancements, and current issues such as mental health awareness, diversity in psychology, and ethical considerations.
- Emphasis on the scientific method and critical thinking fosters a nuanced understanding of psychological claims.

Deep Dive: Content Structure and Educational Approach

Foundational Principles

- The book introduces core concepts early, such as the scientific approach to psychology, research methods, and ethical standards.
- These foundations underpin all subsequent chapters, cultivating a scientific mindset.

Emphasis on Critical Thinking

- Throughout the text, students are encouraged to evaluate evidence, understand biases, and recognize the limits of psychological knowledge.
- This approach prepares students not just to memorize facts but to think analytically about psychological phenomena.

Diversity and Cultural Perspectives

- Recognizing that psychology is influenced by cultural contexts, the textbook integrates diverse examples and discusses cross-cultural research.
- This inclusion broadens perspectives and highlights the universality and variability of human behavior.

Practical Applications

- Real-world cases demonstrate how psychological principles are applied in various settings?clinical, educational, organizational, and societal.
- This relevance enhances student engagement and demonstrates the importance of psychology beyond the classroom.

Pedagogical Innovations and Teaching Aids

Digital Resources

- Many editions accompany online platforms offering quizzes, flashcards, and interactive activities.
- Supplementary multimedia content like videos and podcasts enrich the learning experience.

Instructor Resources

- PowerPoint slides, test banks, and lecture guides facilitate teaching.
- Instructor manuals provide additional insights into content and pedagogical strategies.

Student and Educator Perspectives

Strengths Highlighted by Users

- Clarity and readability: Students appreciate the straightforward language that demystifies complex topics.
- Logical organization: The progression from fundamental principles to advanced topics fosters understanding.
- Visual learning support: Well-designed diagrams aid comprehension.

Common Critiques

- Some users desire more in-depth coverage of emerging fields like neuropsychology or positive psychology.
- A few find certain chapters too broad, suggesting supplementary readings for specialized topics.

Impact on Learning

- Many educators report improved student engagement and comprehension when using Discovering Psychology alongside active learning strategies.
- The textbook's emphasis on critical thinking helps students develop skills valuable beyond psychology.

Practical Tips for Maximizing the Book's Potential

For Students

- Active reading: Engage with review questions and application exercises.
- Note-taking: Summarize key concepts in your own words.
- Discussion: Use chapter questions as prompts for study groups.
- Supplementation: Explore recommended videos or articles for deeper understanding.

For Educators

- Integrate multimedia: Use online resources to diversify teaching methods.
- Encourage critical evaluation: Assign research critiques or debates based on textbook topics.
- Connect concepts to current events: Make psychology relevant by relating chapters to societal issues.

Conclusion: Why Discovering Psychology Hockenbury Remains a Top Choice

In the landscape of psychology textbooks, Discovering Psychology by Hockenbury and Hockenbury stands out for its balanced approach to scientific rigor and accessible presentation. Its comprehensive coverage, engaging style, and pedagogical tools make it an invaluable resource for students embarking on their psychological journey. Whether used as a primary textbook or supplementary material, it fosters a deep understanding of the human mind and behavior, equipping learners with critical skills and insights that extend beyond the classroom.

Final Thoughts

The journey of discovering psychology is both intellectually stimulating and personally enriching. With a trusted guide like Discovering Psychology Hockenbury, students and educators alike can navigate this fascinating discipline with confidence, curiosity, and clarity. Its enduring relevance and pedagogical excellence ensure that it remains a cornerstone in the study of psychology for years to come.

Question What are the main topics covered in 'Discovering Psychology' by Hockenbury? The book covers a wide range of psychology topics including research methods, biological bases of behavior, sensation and perception, learning, memory, personality, abnormal psychology, and social psychology. How does 'Discovering Psychology' by Hockenbury facilitate understanding of complex psychological concepts? It uses clear explanations, real-world examples, engaging visuals, and critical thinking exercises to make complex concepts accessible and relatable for students. What sets 'Discovering Psychology' apart from other introductory psychology textbooks? Hockenbury's book emphasizes the scientific basis of psychology while integrating current research, and it focuses on the relevance of psychological concepts to everyday life, making learning more engaging. Are there online resources or supplementary materials available for 'Discovering Psychology' by Hockenbury? Yes, there are online resources such as quizzes, flashcards, and instructor

supplements that accompany the textbook to enhance learning and teaching experiences. How can 'Discovering Psychology' help students prepare for psychology exams? The book provides chapter summaries, key term glossaries, review questions, and critical thinking exercises designed to reinforce understanding and aid exam preparation. Is 'Discovering Psychology' by Hockenbury suitable for undergraduate psychology courses? Yes, it is widely used in undergraduate introductory psychology courses due to its comprehensive coverage and student-friendly approach. What is the approach of 'Discovering Psychology' in discussing psychological research and studies? The book emphasizes the scientific method, critically analyzes research findings, and discusses their implications to help students understand how psychological knowledge is developed.

Related keywords: psychology textbook, Hockenbury psychology, introductory psychology, psychological theories, behavioral psychology, cognitive psychology, Hockenbury book, psychology principles, experimental psychology, psychology learning

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