

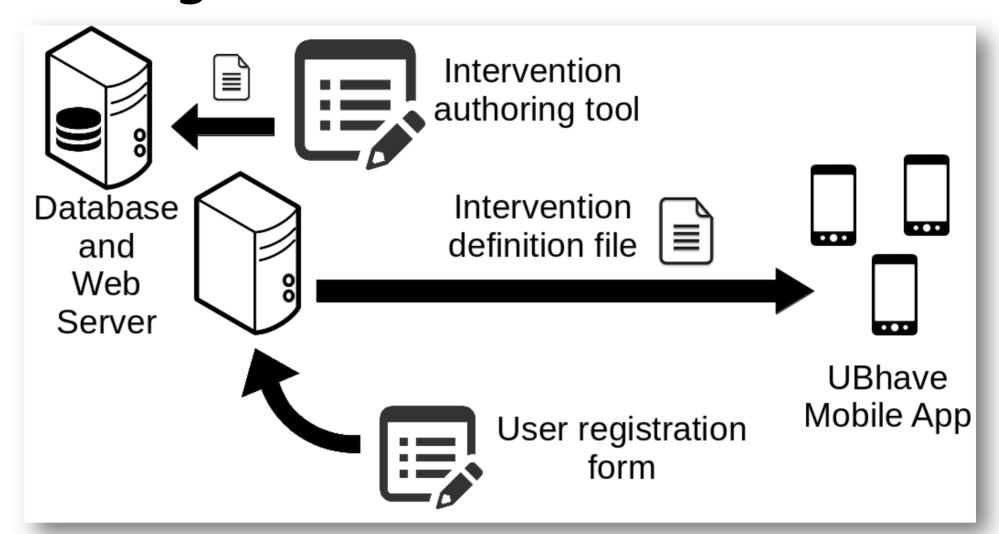
The UBhave Framework: Dynamic Pervasive Applications for Behavioural Psychology

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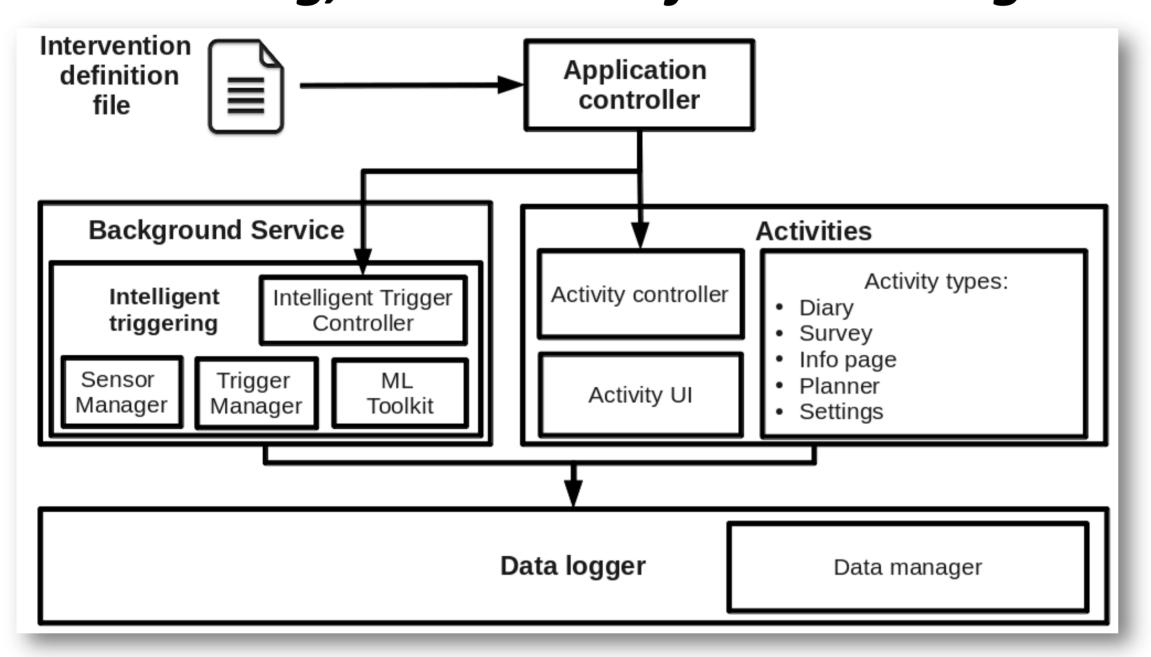
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UBhave is ... A Framework to Enable Authors to Create and Manage their own Mobile Digital Behavioural Change Interventions

- Author designs intervention using visual authoring tool
- 2. Intervention is hosted on central server
- 3. Participant selects and downloads intervention on mobile client: LifeGuide Toolbox
- 4. LifeGuide Toolbox interprets intervention design and presents specified content



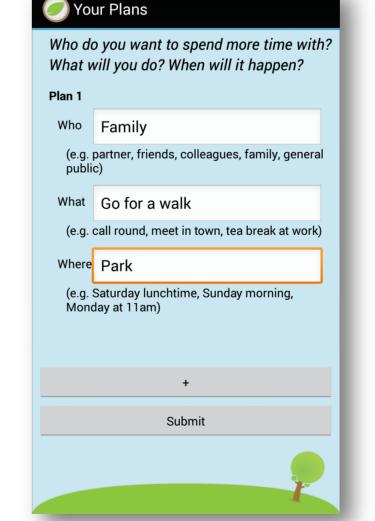
An Activity Centric Model of Intervention Content that Enables Detailed Tailoring, Collection of Varied Usage Data, and Intelligent Notification



- Three Types of Recorded Data
 - Intervention Data
 - Responses to surveys, diary entries, planner entries
 - Usage Data
 - Logs when users access different activities or receive notifications
 - Sensor Data
 - Range of sensors including accelerometer and GPS recorded at regular intervals

HealthyMind – A Tailored Intervention for coping with stress

- Nine Different Tools
 - Unlocked based on user reviews of other tools
 - Made up of a variety of textual descriptions of activities and planners
 - Use of sequences and conditional navigation for a tailored experience
- Intelligent notifications
 - Interrupt the user during convenient times
 - Recommend new tools based on usage











Follow up conversations and queries: please contact cah07r@ecs.soton.ac.uk