

mg-b mobile game-based learning

Mobile Game-Based Learning Creating, Administering and Deploying Mobile Learning Games

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Overall Goal of mg-bl

- Design exciting learning games for mobile phones
- which are fun to be used by young people
- for a playful development of decision-making skills for use in critical situations





International, Interdisciplinary Cooperation: The Consortium

- evolaris Privatstiftung (AUT)
- Verein Schul- und Ausbildungsberatung (AUT)
- RSA Forschungsgesellschaft mbH (AUT)
- Anglia Ruskin University Higher Education Corporation (UK)
- Pomorski Fakulet u Rijeci (Faculty of Maritime Studies) (HR)
- Filozofski Fakulet u Rijeci (FFRI) (HR)
- Universita Degli Studi Di Trieste (IT)
- ASTER S. Cons. p.a. (IT)
- Univerza v Mariboru (SI)
- Andragoski zavod Maribor Ljudska univerza (SI)

- Austria, Croatia, Italy, Slovenia, UK
- Software developers
- Learning experts
- Education consultants
- Pedagogues
- Psychologists
- AI researchers
- Computer scientists







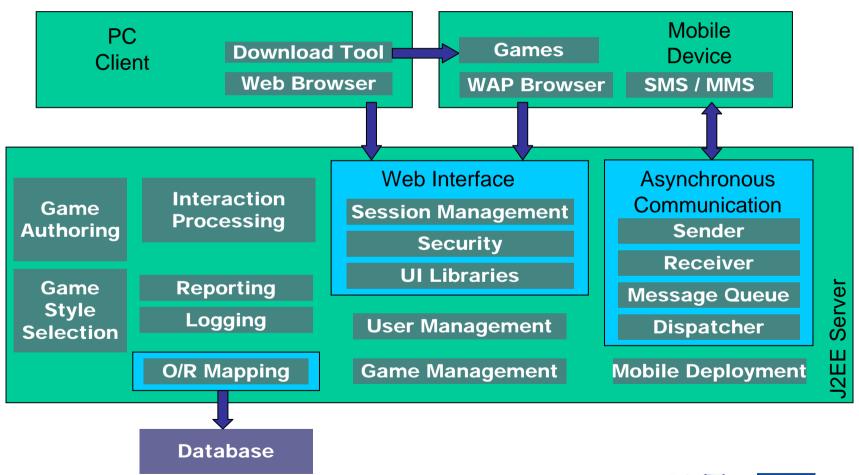
More than a Collection of Independent Programs and Games: The General Development Goals

- Provide effective tools for interactive game base learning
- Make widely configurable, easy to author and to set-up mobile learning games
- Support different learning activities, such as understand, apply, analyse, ...
 (Bloom & Krathwohl, 1956).
- Support different learning content, such as facts, judgement, theories, reasoning, ... (Prensky, 2001)
- Support different learning goals cognitive, affective, ...
 (Bloom & Krathwohl, 1956)





Architecture of the mg-bl System







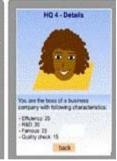
Client- and Server-Side Software: Game Templates

- Ahead of the Game (RSA Forschungsgesellschaft mbH)
 - quiz
 - simulation
 - based on question-answer cards
- Mogabal (University of Trieste)
 - interactive map
 - highly customizable
 - player avatar
- Pervasive Game (Evolaris)
 - server-side games
 - highly collaborative
 - SMS-, MMS-based











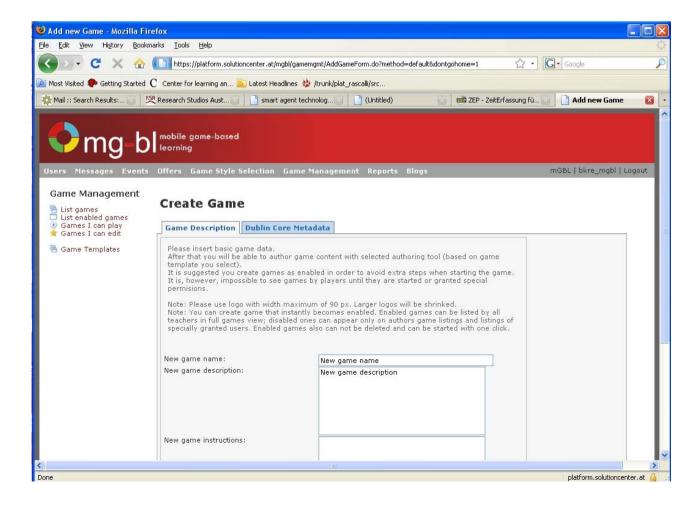






Client- and Server-Side Software: Server Components I

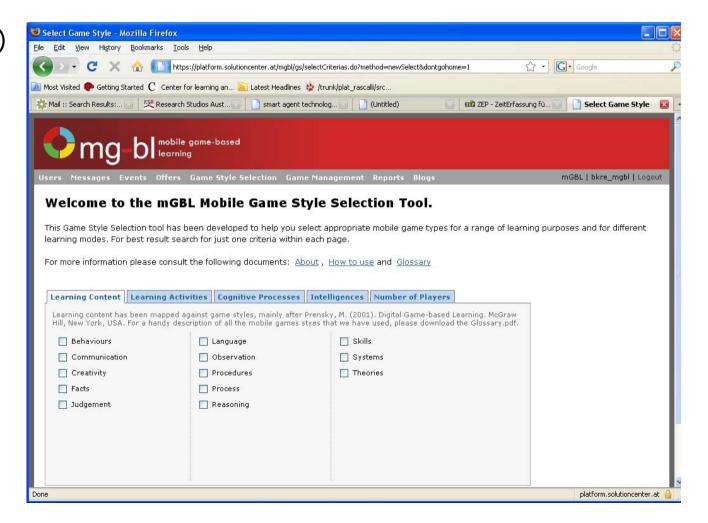
Game Authoring Tool (University of Maribor)





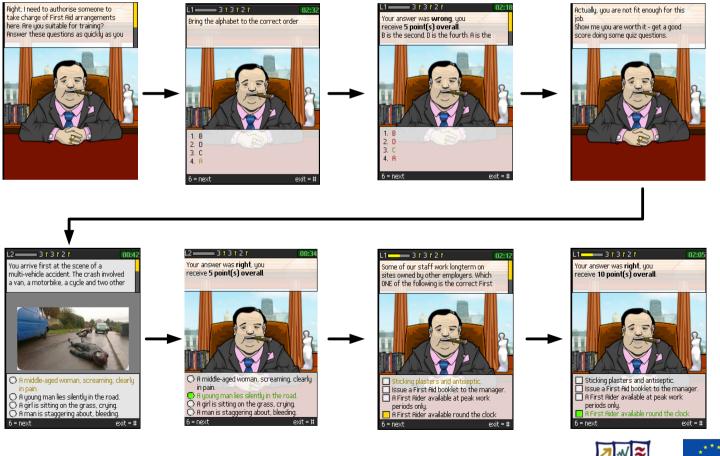
Client- and Server-Side Software: Server Components II

Platform (Evolaris)



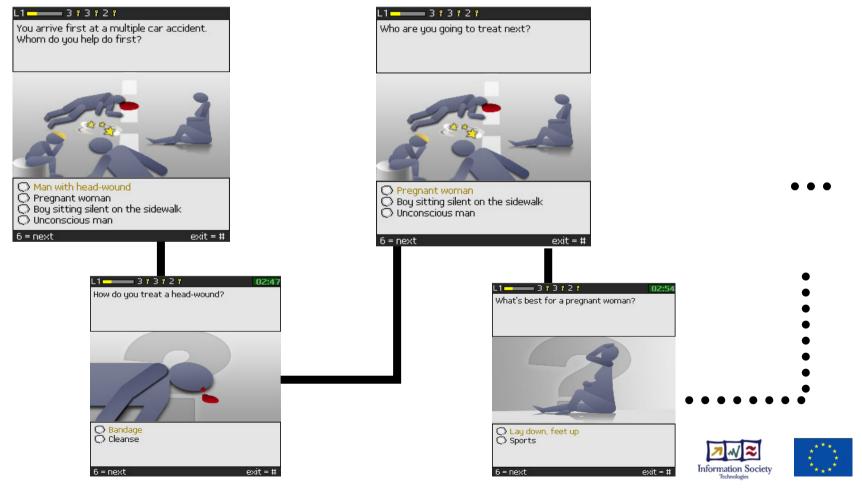


Game Example: Ahead of the Game - Quiz





Game Example: Ahead of the Game - Simulation





Summary

- Software Development within the mGBL Project
 - Client- and Server-side Software
 - More than a Collection of Independent Programs
 - International Collaboration
- mGBL Platform
 - Server-based
 - Administration
 - User Management
 - Game Style Selection
 - Game Authoring
 - Mobile Communication
 - Interaction Modeling







Thank you for your attention!

Platform access

https://platform.solutioncenter.at/platform/secure/goHome.do

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