

Wegas Platform Improvement

Game Content Editor

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Wegas serious games authoring system

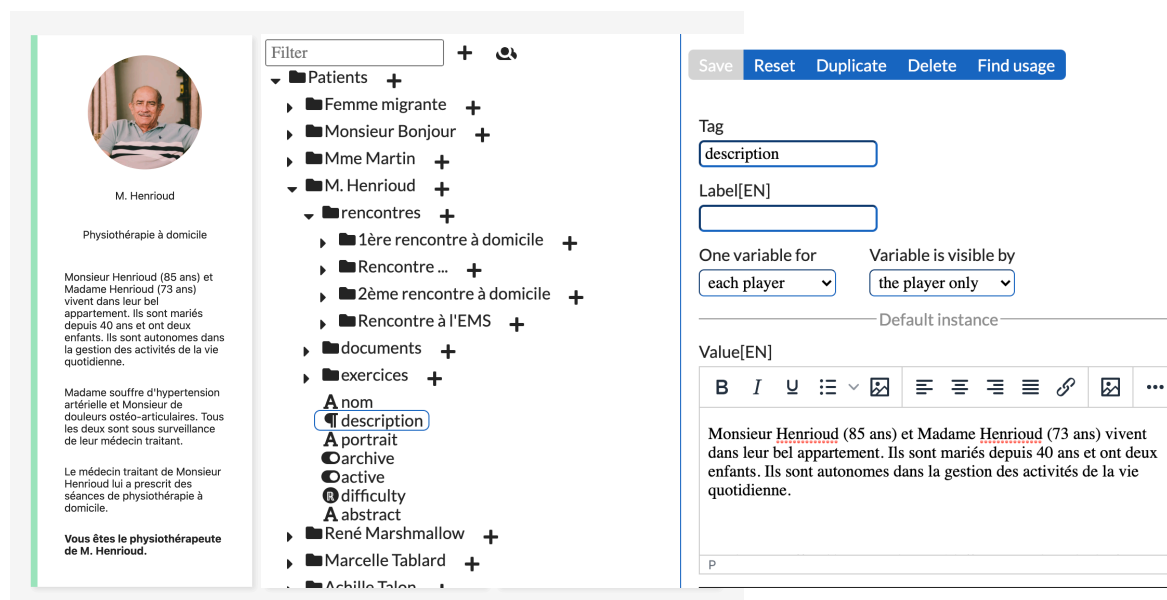
AlbaSim has designed and developed the Web Game Authoring System (Wegas). Wegas is an open source platform, dedicated to serious games development and exploitation. The Wegas platform is currently used for serious games development and dissemination by universities, secondary schools and professional companies in Switzerland and abroad. The platform has been used for the development of serious games like emergency triage of patients, computational thinking, energy efficiency, urbanism or project management.

The Wegas platform offers a number of authoring tools (online concurrent editing, prototyping, code reuse) to facilitate the development and reduce game development costs. It also includes basic analytics functionalities like a generic teacher dashboard, basic real-time statistics and learning analytics.

New game content authoring system

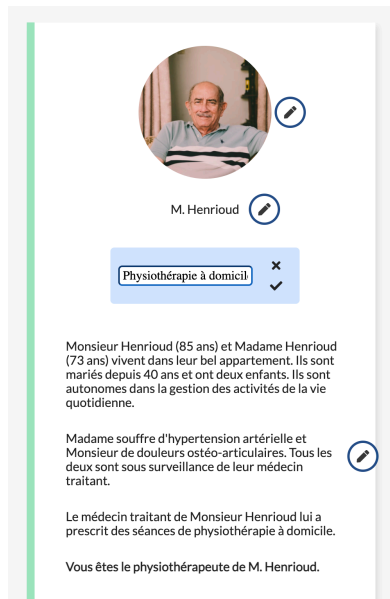
In the previous version, non-computer scientists were able to edit game content through simple text boxes.

Previous Game & Content Editor



New Content Editor

We developed a new version that enable to directly edit the content in a mode that is near from player interfaces.



The screenshot shows a user interface for editing a patient profile. At the top, there is a circular profile picture of an elderly man with a pencil icon to its right. Below the photo is the name "M. Henrioud" with another pencil icon. A blue text box contains the text "Physiothérapie à domicile" with a checkmark icon on the right and an 'x' icon on the left. Below this are three paragraphs of text, each with a pencil icon to its right. The first paragraph describes the patient's family and independence. The second paragraph describes the patient's medical conditions. The third paragraph describes the medical prescription. The final line of text states the user's role as a physiotherapist for the patient.

M. Henrioud

Physiothérapie à domicile

Monsieur Henrioud (85 ans) et Madame Henrioud (73 ans) vivent dans leur bel appartement. Ils sont mariés depuis 40 ans et ont deux enfants. Ils sont autonomes dans la gestion des activités de la vie quotidienne.

Madame souffre d'hypertension artérielle et Monsieur de douleurs ostéo-articulaires. Tous les deux sont sous surveillance de leur médecin traitant.

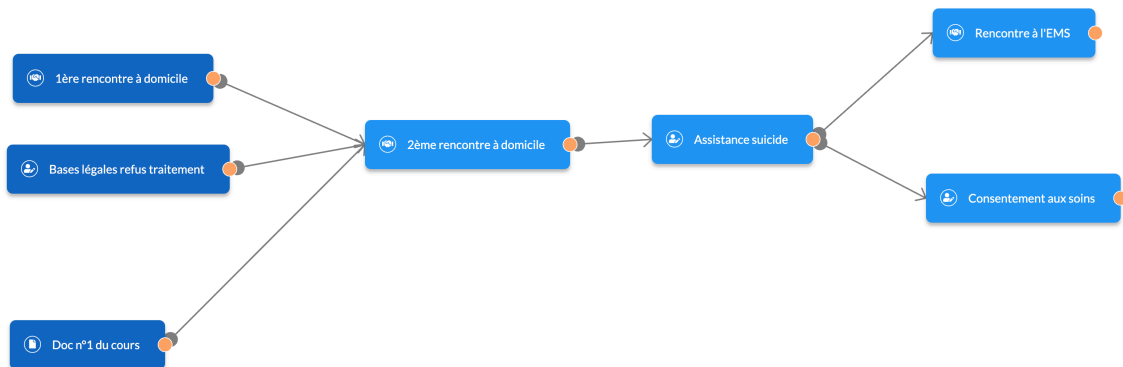
Le médecin traitant de Monsieur Henrioud lui a prescrit des séances de physiothérapie à domicile.

Vous êtes le physiothérapeute de M. Henrioud.

Visual Description of Game Structure

Development of new system facilitating the game structure description.

Teachers may describe dependencies between game elements such as dialogues or exercises in a graphical way.



The corresponding game sequences will automatically be generated and accessible game sequences will be presented in the corresponding way to students.

