

Modular Structure

The following document shows different modules of the game, as a base for the identification of classes or methods during programming.

Note: the diagram below is NOT a class diagram. It rather shows the structure of different components of the game, datatypes that might be used and how these components will interact with each other.

Room

- Level, in which the player interacts with characters in the story or items
- Levels will have background images, that show the scenery
 - Items that can be interacted with will be marked by a number
 - By pressing the equivalent number on the keyboard, the user selects the item he wants to interact with

Player

- Character the user plays, gives the user a place in the gaming world

WorldObject

- Item in the gaming world that the player can add to the inventory or combine with other items of his/her inventory

InventoryObject

- Item in the inventory of the player that can be combined with other items of the inventory or items of the gaming world
- By combination with other items, new items can be made

Inventory

- Collection of all items that the player finds or creates in the gaming world

EventHandler

- monitors which numbers are pressed on the keyboard
- Classes/methods in the code can subscribe to the EventHandler
 - corresponding actions are triggered in the subscribing classes/methods

Music

- Background music
- GEMA-free
- to emphasize the atmosphere of the game

