



# System Sequence Diagrams

Assignment in the course PA1415 Software Design

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## Authors and Authors contribution

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## System Description

The goal of this system is to create a game based on the idea of the game Nethack. The system shall adopt the rules of the original Nethack to keep its flare.

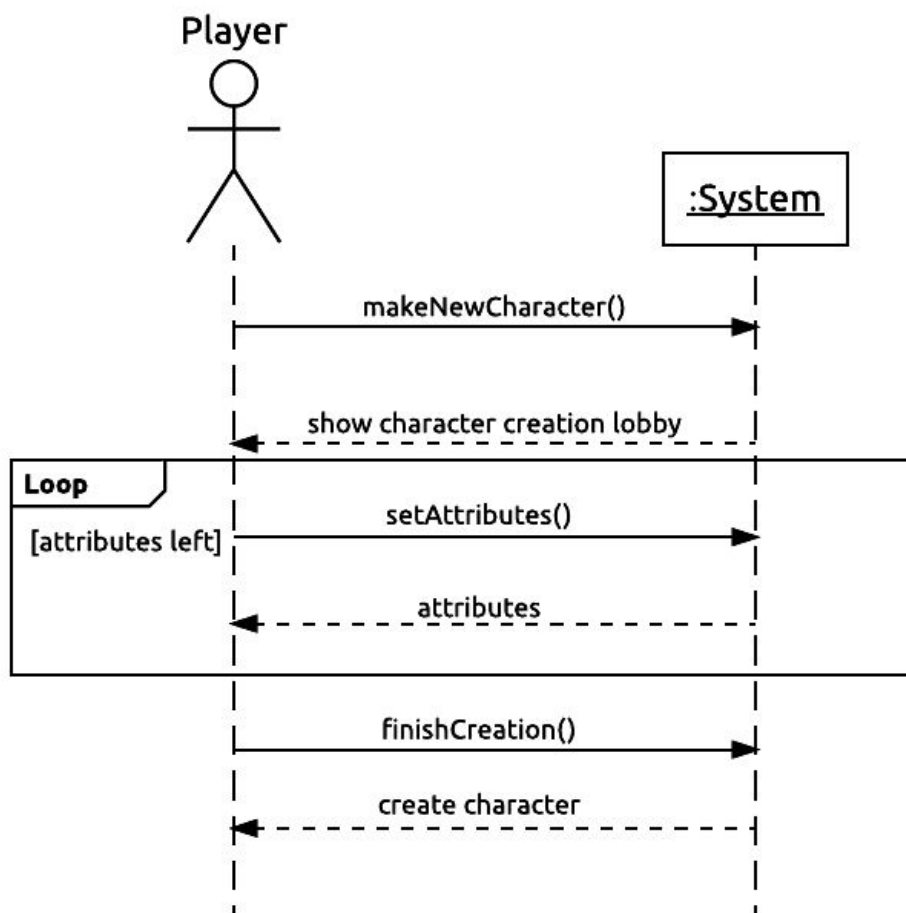
The most interesting feature for the system is the map generation where the maps can be generated with the Twitter API. The map generation can also work offline without the usage of the Twitter API.

The system also includes multiplayer support. User are able to access games online via the internet or offline via a LAN.

## System Sequence Diagrams

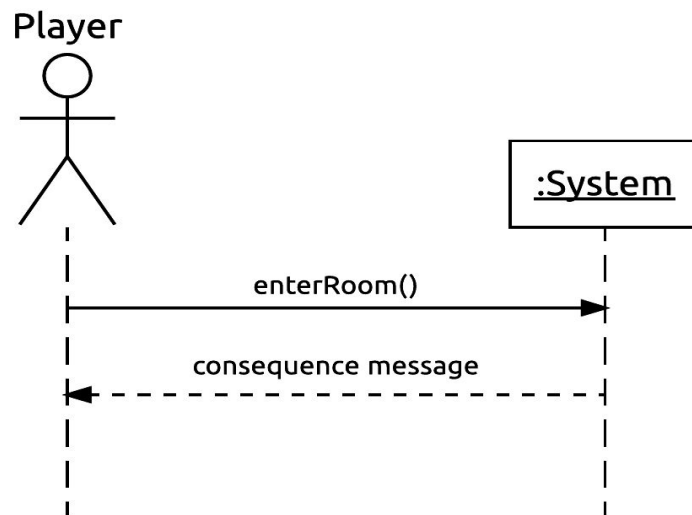
### System Sequence Diagram for Use Case: Create character

#### System Sequence Diagram: Player creates a character



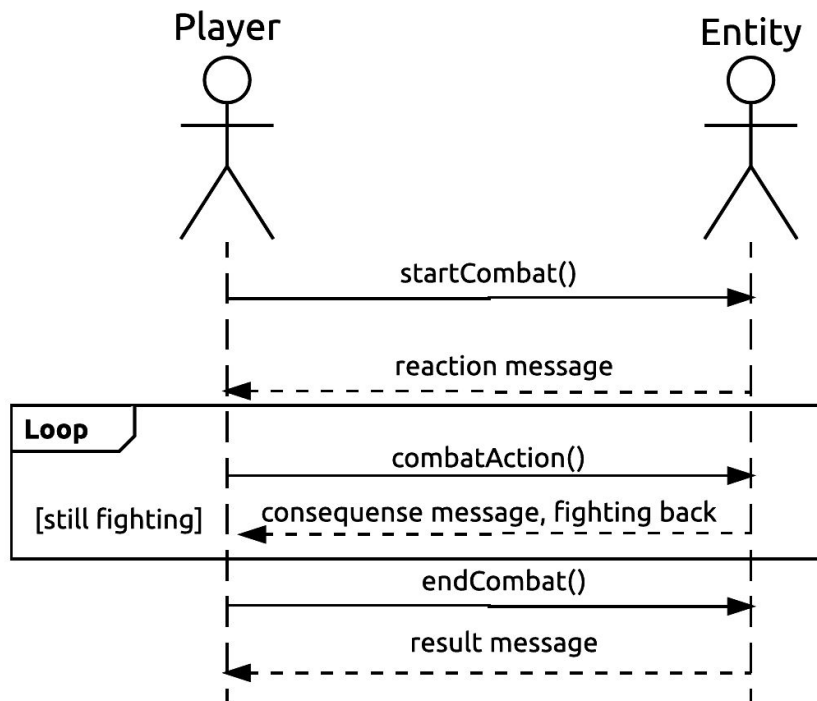
## System Sequence Diagram for Use Case: Enter room

### System Sequence Diagram: Player enters a room



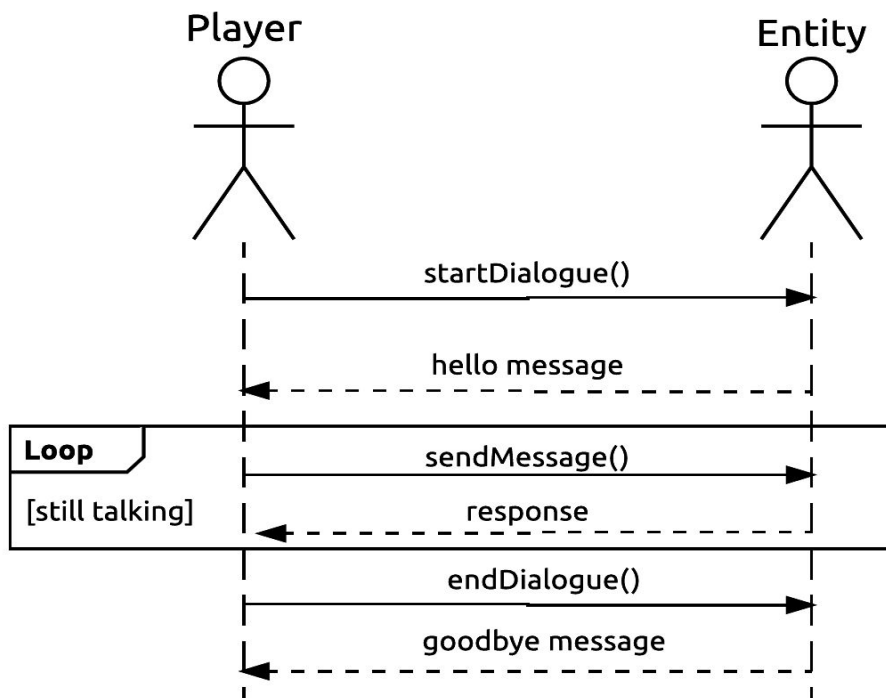
## System Sequence Diagram for Use Case: Engage combat with entities

### System Sequence Diagram: Player engages in combat with entity



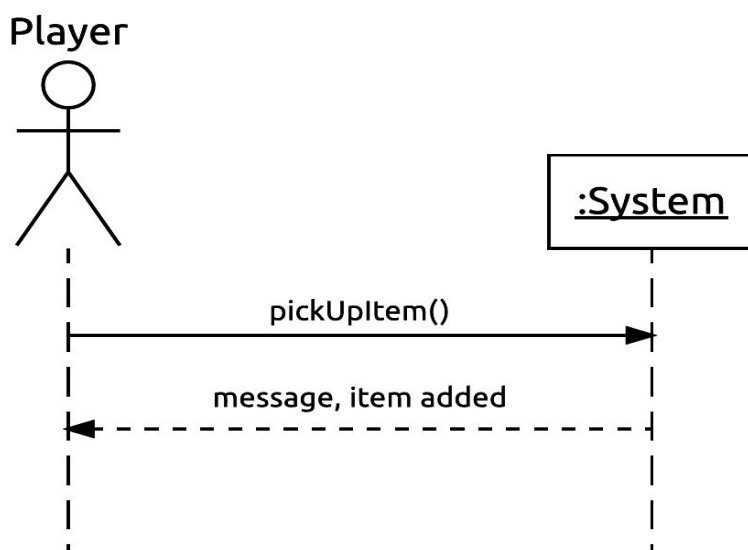
## System Sequence Diagram for Use Case: Open dialogue with entities

### System Sequence Diagram: Player talks to an entity



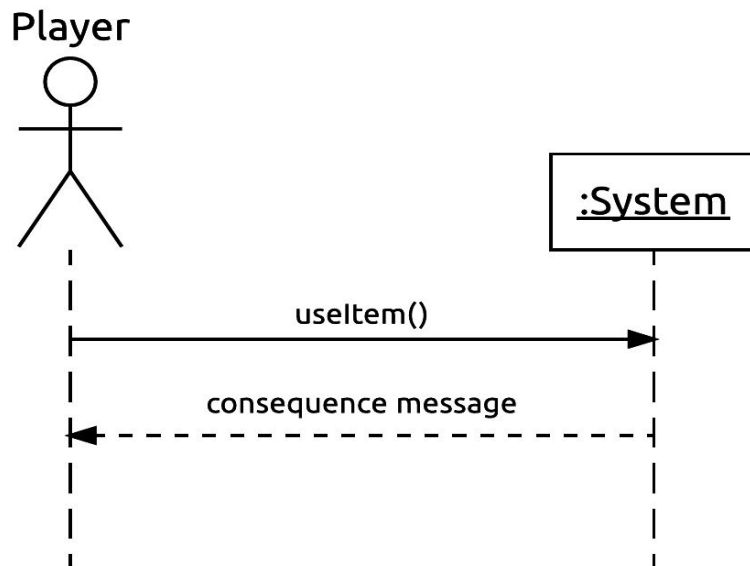
## System Sequence Diagram for Use Case: Pick up items

### System Sequence Diagram: Player picks up an item



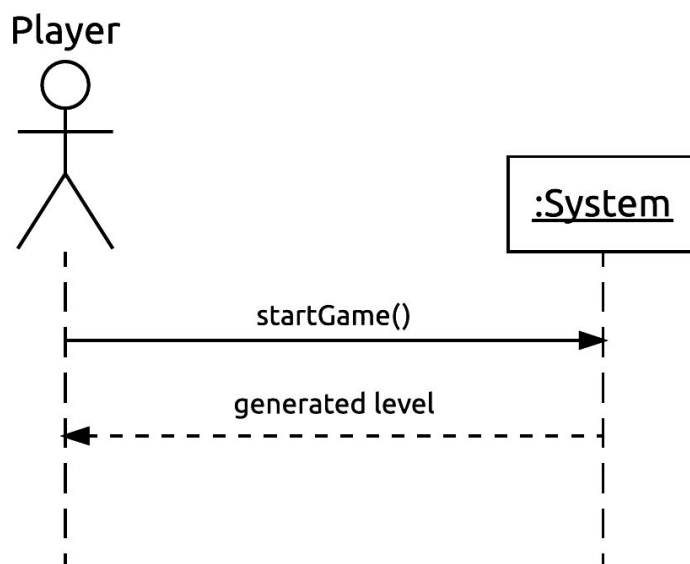
## System Sequence Diagram for Use Case: Use item

### System Sequence Diagram: Player uses an item



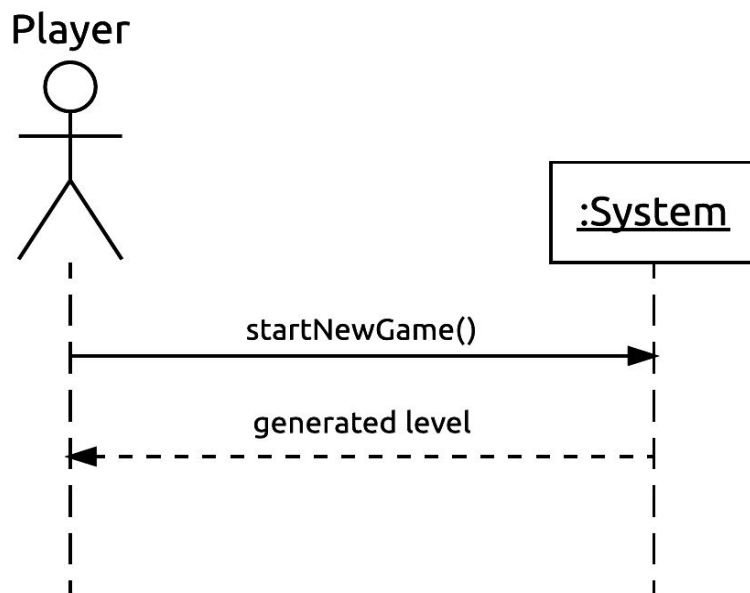
## System Sequence Diagram for Use Case: Generate level

### System Sequence Diagram: Player starts playing the game



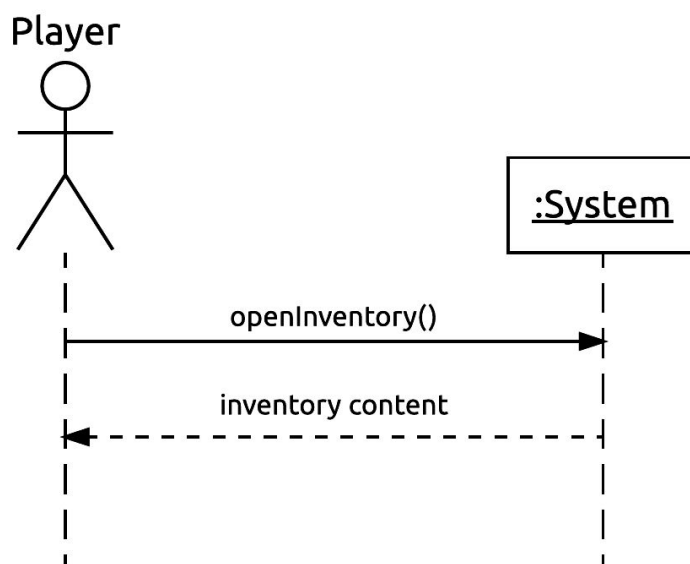
## System Sequence Diagram for Use Case: Start new game

### System Sequence Diagram: Player starts a new game



## System Sequence Diagram for Use Case: Open inventory

### System Sequence Diagram: Player opens the inventory



## System Sequence Diagram for Use Case: Join existing game

### System Sequence Diagram: Player joins an existing game

