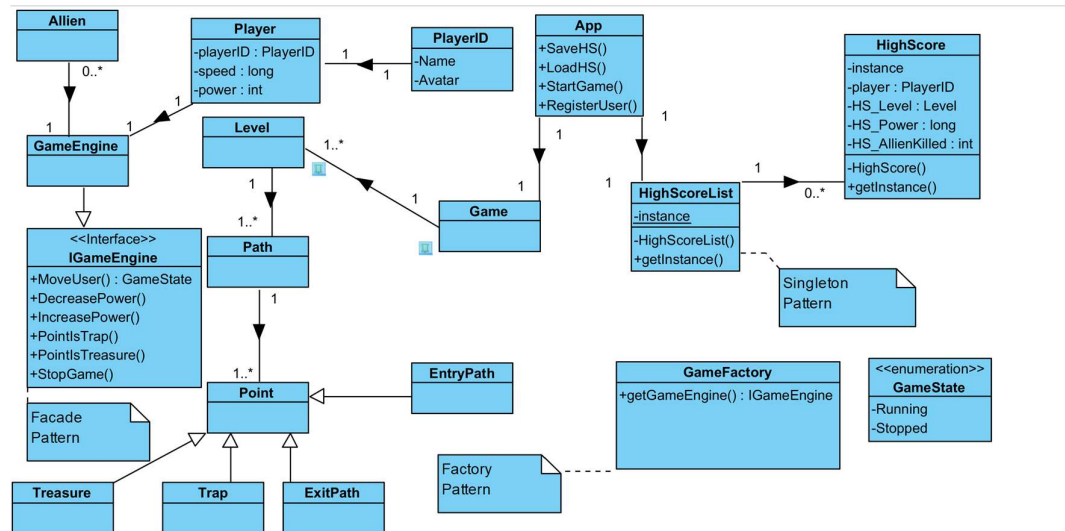


Name: Zanou Rih  
Student number: 300178068

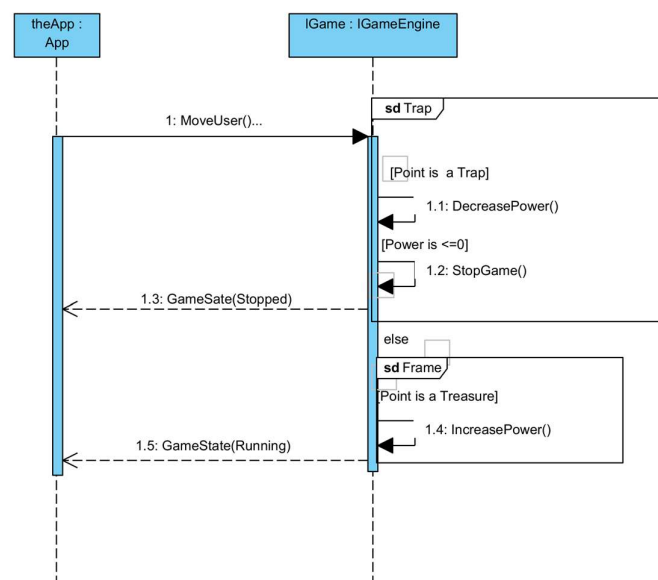
## Assignment 3 – SEG2105[C]

### 1/ Class diagram

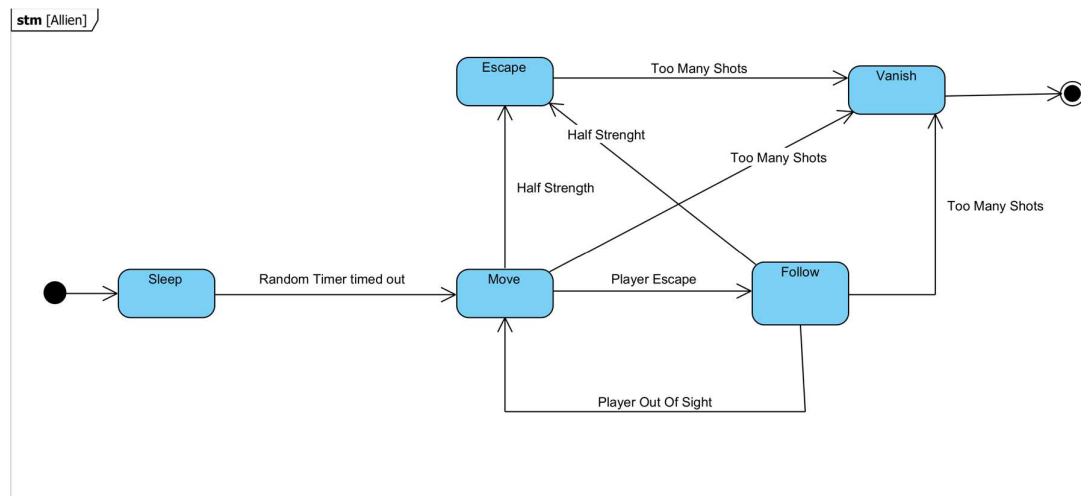


### 2/ Sequence diagram

sd [MovePlayer]



### 3/ State diagram



### 4/ Functional Requirement

1. The system must provide a UI for the user to select its avatar and enter his name.
2. The System must ensure that the name is not empty
3. The system must ensure that the list of high score is updated at each end of the game.
4. The system must ensure that High Score List is persisted on hard drive.
5. The System must not create more than 10 Aliens
6. The system must ensure that at least 2 Healthy Aliens are in the game

### Non Functional Requirement

1. The display rate must be more than 60 frame/second
2. The system must ensure that we can play 20 Games in row without crashing
3. Data must be saved with rollback possibility in case the system crashes.
4. AL UI must be localized

### 5/ Use case

