**WORK BREAKDOWN AGREEMENT: FIT2099 SSB ASSIGNMENT 1**

GROUP NAME JAVAPLUSPLUS

GROUP MEMBERS MOHAMED SHAKEEL MOHAMED RAFI 28021452

MATTI HADDAD 29708966

KERRY YUE SONG ZHENG 28794346

1. Modifying Existing Design Documents
   1. Class Diagram: harrypotter.entities

Producer(s): Shakeel 17/01

Reviewer(s): Matti 18/01

Description:

* Adding Leave as an Affordance
* Adding Give as an Affordance
* Adding Wand class as a HPEntity
* Adding Potion
  1. Class Diagram: harrypotter.entities.actor-AND-behaviours

Producer(s): Shakeel, Matti 18/01

Reviewer(s): Kerry 19/01

Description:

* Adding Dementor as a HPActor
* Adding Wand Class
* Linking Wand Class to HPActor
* Adding a Cast action, which links to Spells and inherits Attack Class
  1. Class Diagram: harrypotter.actions

Producer(s): Matti 19/01

Reviewer(s): Kerry 22/01

Description:

* Adding Give Class into the actions package and its relation to other classes.
* Adding Leave Class into the actions package and its relation to other classes.
* Adding Cast as a Class and its relation to other classes.

1. Creation of new Design Documents
   1. Class Diagram: harrypotter.cast

Producer(s): Shakeel, Kerry 20/01

Reviewer(s): Matti 21/01

Description:

* Linking the spells to their actors and action required to do the spells

1. Design Rationale Documentation
   1. Leave Affordance

Producer(s): Shakeel 20/1

Reviewer(s): Matti 22/1

Description:

* Explanation of how Leave affordance is implemented and justification
  + Relate Leave to the way Take works
  1. Give Affordance

Producer(s): Matti 20/1

Reviewer(s): Shakeel 22/1

Description:

* Explanation of how Give affordance is implemented and justification
  + Relate Give to the way Take works
  1. Potion

Producer(s): Matti, Kerry 20/1

Reviewer(s): Shakeel 22/1

Description:

* Explanation of how Potion work and its effect on actors.
  1. Wand and Cast

Producer(s): Shakeel, Matti, Kerry 21/1

Reviewer(s): Shakeel, Matti, Kerry 22/1

Description:

* Explanation of how Wand is implemented and justification
  + Relate to how HPActor 'attacks'.
  + Distinction between attacking and casting spells.
  1. Spells

Producer(s): Kerry, Matti 21/1

Reviewer(s): Shakeel 22/1

Description:

* Explanation of what Spells affect the gameplay
* Distinction between attacking and casting spells
  1. Dementor

Producer(s): Matti 19/1

Reviewer(s): Shakeel 21/1

Description:

* Explanation of how and why Dementor are implemented.

**WORK BREAKDOWN ACKNOWLEDGEMENT**

I, MOHAMED SHAKEEL MOHAMED RAFI [22/01/2019: 21:00], agree to this breakdown arrangement.

I, MATTI HADDAD [22/01/2019: 21:10], agree to this breakdown arrangement.

I, KERRY YUE SONG ZHENG [22/01/2019: 21:05], agree to this breakdown arrangement.

I, , agree to this breakdown arrangement.