**Work Breakdown Agreement for FIT2099 Assignment 1**

Team 33 - Lab 13:

1. Ong Di Sheng (31109667)
2. Mark Gabriel Sta. Ana Manlangit (29350387)
3. Kennedy Tan Sing Ye (31108121)

We thus agree to work on FIT2099 Assignment 1 as outlined below.

| No | Task | Assigned | Reviewer | Planned Completion Date |
| --- | --- | --- | --- | --- |
| **1** | **Class Diagram** |  |  |  |
| 1.1 | REQ 1&2 | Mark Manlangit | Kennedy & Di Sheng | 6/4/2022 |
| 1.2 | REQ 3&4 - Extend Enemy Class to Goomba and Koopa | Kennedy Tan | Mark Manlangit & Di Sheng | 6/4/2022 |
| 1.3 | REQ 5   * Create a Tradable interface for items that are tradable * Create a Wallet class to store the balance of the Player * Create a TradeAction class to handle the trading process * Create PickUpCoinAction class to pick up coin item and add the value of the coin to the balance in the Wallet   REQ6   * Create a SpeakAction class to handle the monologue between the Toad and the Player * Create a SpeakCapable interface for actors that are speakable (e.g. Toad) | Ong Di Sheng | Kennedy & Mark Manlangit | 6/4/2022 |
| 1.4 | REQ 7   * Create a ResetAction to handle to reset process * Everything that is resettable should implement the Resettable interface | Ong Di Sheng | Kennedy & Mark Manlangit | 6/4/2022 |
| **2** | **Sequence Diagram** |  |  |  |
| 2.1 | JumpAction | Mark Manlangit | Kennedy & Di Sheng | 9/4/2022 |
| 2.2 | ConsumeItemAction | Kennedy Tan | Di Sheng & Mark Manlangit | 9/4/2022 |
| 2.3 | TradeAction   * Subtract balance from the Wallet and add item to the Player inventory according to the character entered by the user * If not enough balance, error message will be displayed | Ong Di Sheng | Kennedy & Mark Manlangit | 9/4/2022 |
| **3** | **Design Rationale** |  |  |  |
| 3.1 | REQ 1&2 | Mark Manlangit | Kennedy & Di Sheng | 9/4/2022 |
| 3.2 | REQ 3&4 | Kennedy Tan | Di Sheng & Mark Manlangit | 9/4/2022 |
| 3.3 | REQ 5,6&7   * Explain the usage of classes/interfaces involved in Trading, Monologue and Reset process using SOLID principles | Ong Di Sheng | Kennedy & Mark Manlangit | 9/4/2022 |

Signed by (type “I accept this WBA”)

I, Ong Di Sheng accept this WBA