TMP 3413 Software Engineering Lab SDS (Mario Game)

Group: Five Stars

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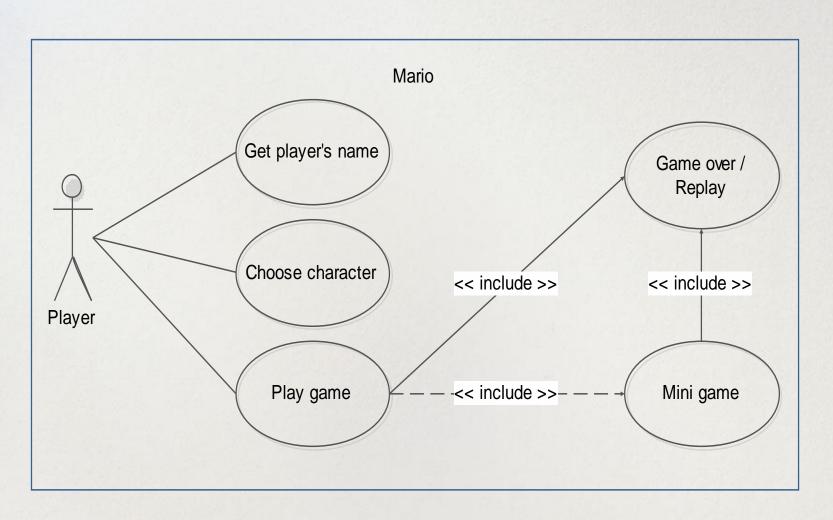
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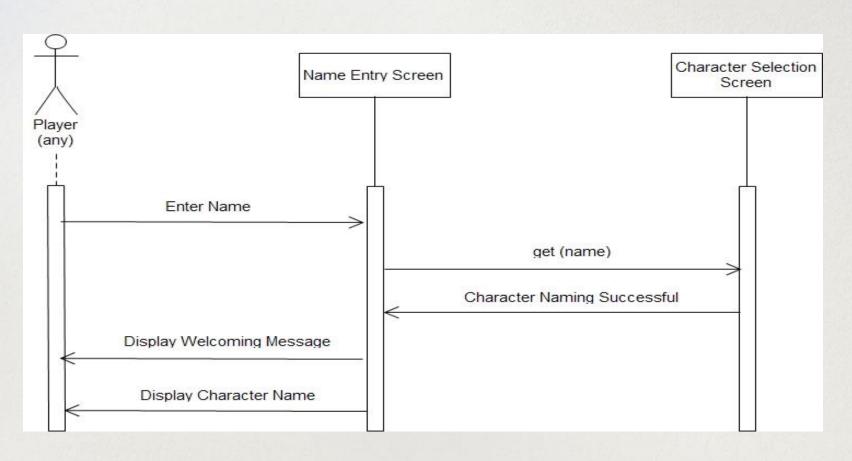


Use Case Diagram



Sequence Diagram

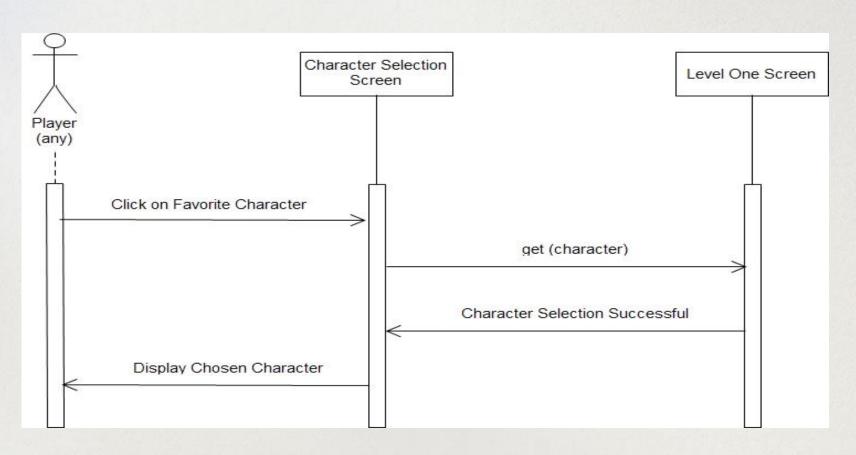
1. Naming Character



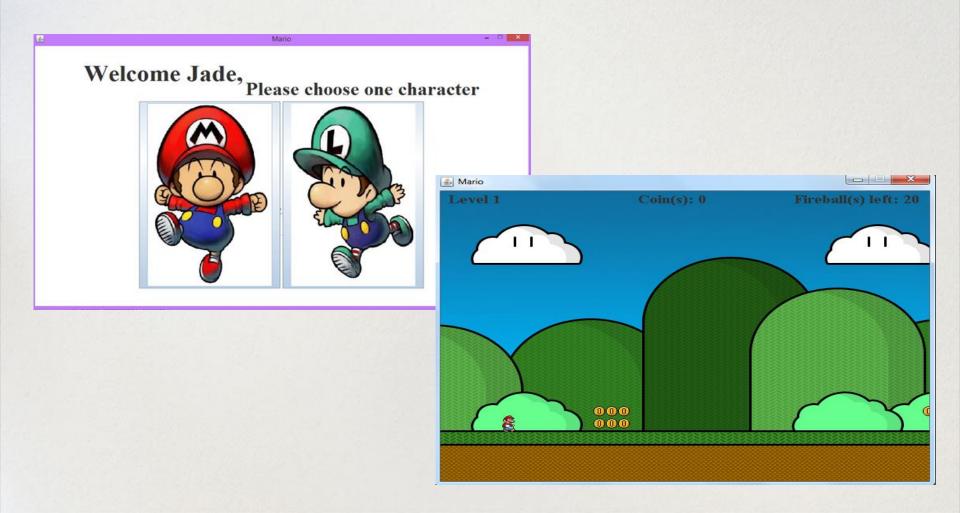
1. Naming Character



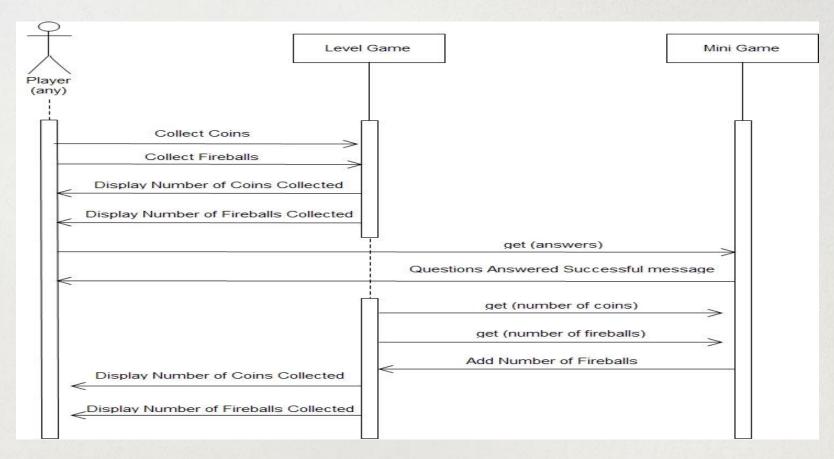
2. Character Selection



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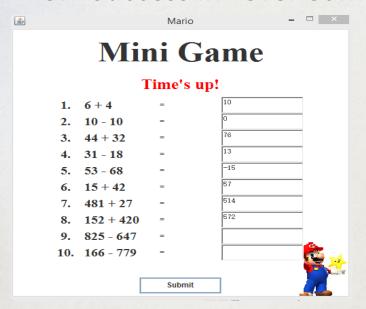


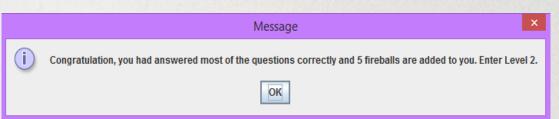
3. Success in Level Game and Mini Game





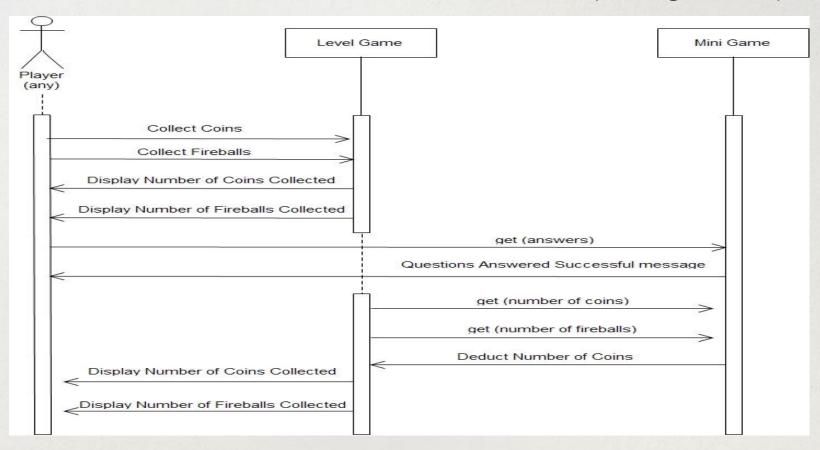
3. Success in Level Game and Mini Game





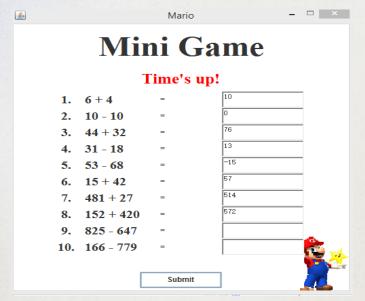


4. Success in Level Game and Fail in Mini Game (Enough Coins)



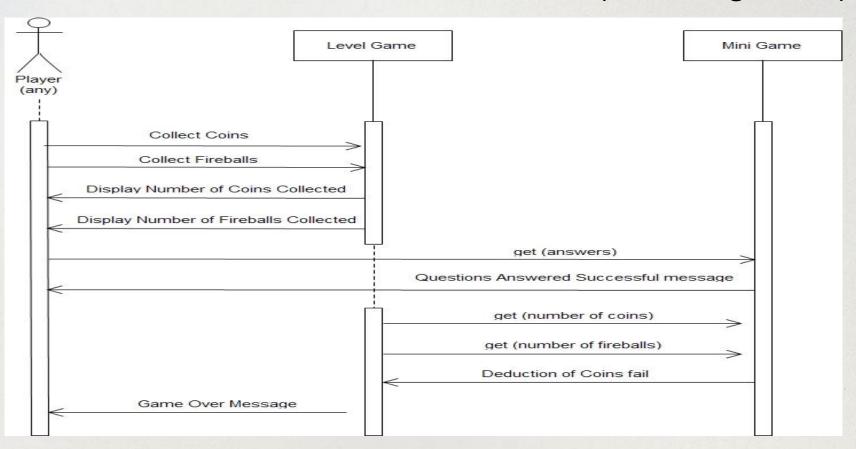


4. Success in Level Game and Fail in Mini Game (Enough Coins)



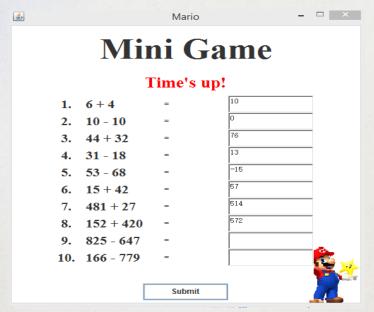


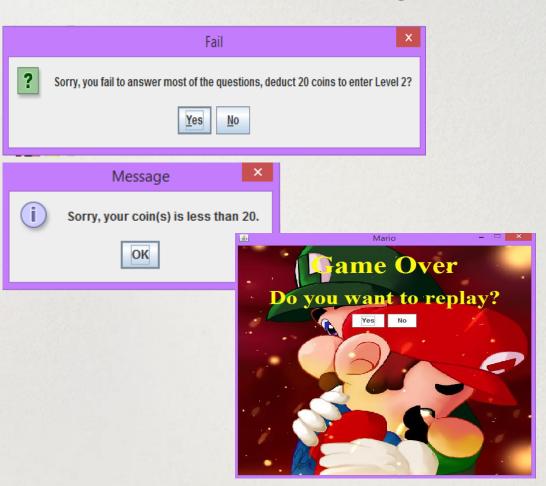
5. Success in Level Game and Fail in Mini Game (Not Enough Coins)





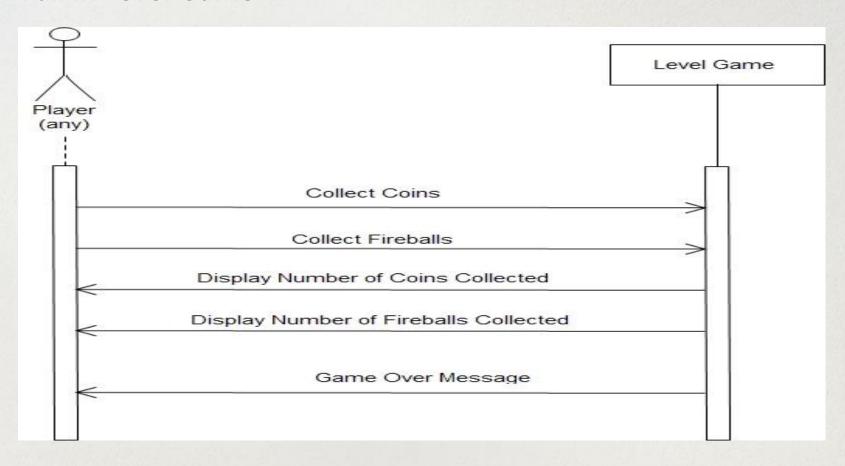
5. Success in Level Game and Fail in Mini Game (Not Enough Coins)



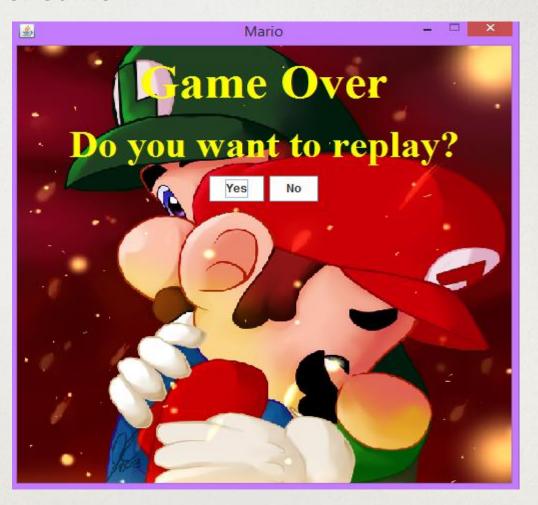




6. Fail in Level Game



6. Fail in Level Game





Architecture Design

- 1. Consists of three main components:
 - User Interface (UI)
 - Level Game Play
 - Mini Game Play
- 2. User Interface (UI) provides graphical interfaces to player.
- 3. UI depends on:
 - Set/ Get Character Name
 - Set/ Get Character Chosen



Architecture Design (Cont')

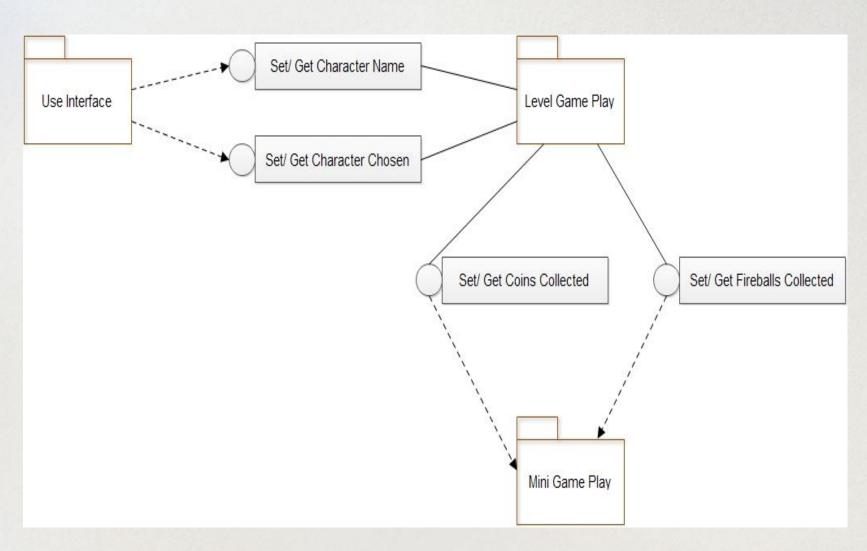
- Level Game Play is responsible to display the chosen character, coins and fireballs collected corresponding to the different game play.
- 2. Level Game Play provides two interfaces:
 - Set character name/ set character chosen/ set coins collected/ set fireballs collected
 - Get character name/ set character chosen/ set coins collected/ set fireballs collected



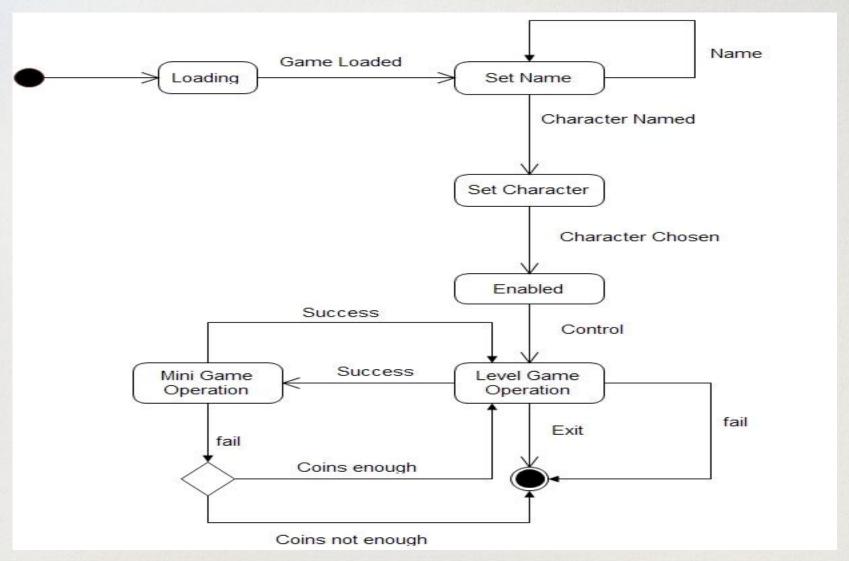
Architecture Design (Cont')

- 1. Mini Game Play depends on two interfaces:
 - Set/ Get Coins Collected
 - Set/ Get Fireballs Collected
- 2. Refer Component Diagram

Architecture Design (Cont)



High Level Design – Operation



Video of the game (Level 1 and Mini Game)



Video of the game (Level 2 and fail Level 2)



Questions

85

Answers



Thank

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