D&J

Version <1.1>

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 4/11/2017 | <1.0> | Add Use-case Model | Phy Lieng |
| 4/11/2017 | <1.1> | Add Use-case Specification | Toan Bui |
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# C:\Users\Phy\AppData\Local\Microsoft\Windows\INetCache\Content.Word\UseCaseDiagram1.pngUse-case Model

# Use-case Specifications

## Use-case: Log In

|  |  |
| --- | --- |
| Use case Name | Log In Facebook Account |
| Brief description | This use case describes how the Customer can sign in their Facebook Account |
| Actors | Customer |
| Basic Flow | 1. At the homepage, the user clicks on the facebook icon. 2. If the user has not sign in, the sign in view is shown. 3. User types in ID and password. 4. User press sign in 5. If the ID and/or password is incorrect, a message is shown and return to step 3. Otherwise, the user is log in. 6. If the facebook account haven’t use this app before, a permission is asked. The user accepts. |
| Alternative Flows | **Alternative flow 1: User input is wrong (Step 5)**   1. A message is shown. 2. Return to step 2. |
| Pre-conditions | User have not log in facebook |
| Post-conditions | The user successfully logs in. |

## Use-case: Choose a pet

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| --- | --- |
| Use case Name | Choose a pet |
| Brief description | This use case describes how the User choose a pet as their companion. |
| Actors | User |
| Basic Flow | 1. User open the app for the first time 2. System display a list of pets which user can choose from 3. User use swipe to find the pet they like the most 4. User clicks ‘Select’ button 5. System asks for confirmation with yes/no message box 6. User clicks ‘Yes’ |
| Alternative Flows | **Alternative flow 1: User want to choose another pet**   1. From #6 of the basic flow, user clicks ‘No’ 2. Continue step #2 in the basic flow |
| Pre-conditions | User installed D&J on their phone |
| Post-conditions | The user successfully chooses a pet as their companion. |

## Use-case: Complete and share an Achievement

|  |  |
| --- | --- |
| Use case Name | Complete a Mission/Achievement |
| Brief description | This use case describes how the User complete a mission/achievement and share it online. |
| Actors | User |
| Basic Flow | 1. User clicks on finished mission/achievement 2. User clicks on ‘Complete’ button 3. System shows congratulation message box 4. User clicks ‘Share’ button 5. User writes a caption 6. User clicks ‘Post’ |
| Alternative Flows | **Alternative flow 1: User doesn’t want to write caption**   1. Skip #6 |
| Pre-conditions | User completed a mission/achievement  User logged-in to his/her facebook account |
| Post-conditions | The user successfully shares their achievement on facebook. |

## Use-case: Run Recording

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| --- | --- |
| Use case Name | Run Recording |
| Brief description | This use case describes how the User running process is recorded |
| Actors | Customer |
| Basic Flow | 1. The running process is recorded. 2. If the step counter does not recognize more steps, or not significant number of steps for at least 30 seconds, the session stops. |
| Alternative Flows | **Alternative flow 1: Group Alert**   1. If you are in a jogging group and a member of the group is far away, a notification is sent. 2. After 30 seconds and you remains far away, the group is temporary disbanded. |
| Pre-conditions | When the user step counting increases significantly or velocity is high |
| Post-conditions | Record Running Process. Notification tells how long was the exercise, how many steps, how far did you run and if any mission is finish. |

## Use-case: GPS Reach

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| --- | --- |
| Use case Name | GPS Reach |
| Brief description | This use case describes how the game react when the user reach a hotspot |
| Actors | Customer |
| Basic Flow | Check if any missions has accomplished. Changing the missions to finish state. |
| Alternative Flows |  |
| Pre-conditions | GPS was on and the user reaches a GPS hotspot. |
| Post-conditions | Missions’ state may change. |

## Use-case: Finish Missions

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| --- | --- |
| Use case Name | Finish Missions |
| Brief description | This use case describes how a user finish a mission. |
| Actors | User |
| Basic Flow | 1. If you have a mission accomplished, a receive button is shown. 2. The user presses the receive button 3. The user receives currency and affection point. 4. The mission change state to reset time to 8 hours. |
| Alternative Flows |  |
| Pre-conditions | Missions(s) are accomplished. User is in mission window. |
| Post-conditions | Missions’ state changes. Currency increases, affection increases. |

## Use-case: Receive Affection Point

|  |  |
| --- | --- |
| Use case Name | Receive Affection Point |
| Brief description | This use case describes how receive affection point affect |
| Actors | User |
| Basic Flow | 1. Increase affection point 2. Calculate and refresh the affection point visual |
| Alternative Flows | **Alternative flow 1: Level Up**   1. If the affection point is enough to level up, player level increases. 2. Receive any bonus from the new level. 3. Update the visual |
| Pre-conditions | One of many ways to receive Affection Point |
| Post-conditions | Affection Point increases. May increase level and receive new bonuses. |

## Use-case: Fill Dog Bowl

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| --- | --- |
| Use case Name | Fill Dog Bowl |
| Brief description | This use case describes how to fill your dog bowl |
| Actors | User |
| Basic Flow | 1. Click the dog bowl to fill it 2. The bowl is filled and you lose one food 3. If the dog is hungry, it rush to the bowl |
| Alternative Flows | **Alternative flow 1: Not Enough Food**   1. If you do not have food item, you will ask to buy a new food. 2. If you click buy, and you have enough currency, to step 4. Otherwise, to step 3. 3. If you do not have enough currency, a message is shown. 4. Your currency reduces and you receive one food. |
| Pre-conditions | You have a dog bowl. |
| Post-conditions | Your dog bowl is filled. |

## Use-case: Receive Free Food

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| --- | --- |
| Use case Name | Receive Free Food |
| Brief description | This use case describes how to receive free food. |
| Actors | User |
| Basic Flow | 1. Message Box pop up. 2. User click receive 3. Receive one food, set free food timer to 8 hours. |
| Alternative Flows |  |
| Pre-conditions | If free food is refreshed. |
| Post-conditions | Free food count dog is refreshed. Receive one food. |