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| Use Case ID: | 001 | | |
| Use Case Name: | Login | | |
| Created By: | Bryan Chatsirichai | Last Updated By: | Bryan Chatsirichai |
| Date Created: | 30/8/22 | Date Last Updated: | 30/8/22 |

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| Actor: | User (Initiating Actor), users Database |
| Description: | The user is logging into the application |
| Preconditions: | 1. The User has an account with the Account System |
| Postconditions: | 1. The User is logged in. |
| Priority: |  |
| Frequency of Use: |  |
| Flow of Events: | 1. The User selects login 2. The application requests the User’s login information 3. The User enters their login information 4. The application verifies the information with the users Account database 5. If the information is valid the user is logged in |
| Alternative Flows: | AF-S4: If the login information is invalid   1. The application would display “Incorrect username or password. Please try again.” 2. The application returns to step 1. |
| Exceptions: |  |
| Includes: |  |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |

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| --- | --- | --- | --- |
| Use Case ID: | 002 | | |
| Use Case Name: | Register Account | | |
| Created By: | Bryan Chatsirichai | Last Updated By: | Bryan Chatsirichai |
| Date Created: | 30/8/22 | Date Last Updated: | 30/8/22 |

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| --- | --- |
| Actor: | User (Initiating Actor), users Database |
| Description: | The user is creating an account |
| Preconditions: | 1. The User has installed the application |
| Postconditions: | 1. The User has created an account. |
| Priority: |  |
| Frequency of Use: |  |
| Flow of Events: | 1. The User selects create account 2. The application requests the User’s new username and password 3. The User enters their new username and password 4. The application checks if there are any existing users with the same username and if not, stores the information with the users Account Database System 5. The application then confirms with the user that their account has been created and prompts the user to login. |
| Alternative Flows: | AF-S4: Registration Error display appropriate error message   1. The application would display “This username is taken. Please try again.” 2. The application would display “This password is weak 3. . Please try again. 4. The application returns to step 1. |
| Exceptions: |  |
| Includes: |  |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |

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| --- | --- | --- | --- |
| Use Case ID: | 003 | | |
| Use Case Name: | Add Task | | |
| Created By: | Bryan Chatsirichai | Last Updated By: | Bryan Chatsirichai |
| Date Created: | 30/8/22 | Date Last Updated: | 30/8/22 |

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| --- | --- |
| Actor: | User (Initiating Actor), users Task Database |
| Description: | The user is creating a task |
| Preconditions: | 1. The user is logged into their account |
| Postconditions: | 1. The User has added task to his/her todo list. |
| Priority: |  |
| Frequency of Use: |  |
| Flow of Events: | 1. The User enter a task. 2. The application requests the User’s task details. 3. The User enters task details and schedule. 4. The application add the task to the users task Database. 5. The application then update the user’s todo list. |
| Alternative Flows: | AF-S4: Add task display appropriate error message  4. Display appropriate error message relating to why unable  insert new task to todo list. |
| Exceptions: |  |
| Includes: |  |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |

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| --- | --- | --- | --- |
| Use Case ID: | 004 | | |
| Use Case Name: | Display Tasks | | |
| Created By: | Bryan Chatsirichai | Last Updated By: | Bryan Chatsirichai |
| Date Created: | 30/8/22 | Date Last Updated: | 30/8/22 |

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| --- | --- |
| Actor: | User (Initiating Actor), users Task Database |
| Description: | The user displaying his/her todo list. |
| Preconditions: | 1. The user is logged into their account |
| Postconditions: | 1. The User todo list is displayed |
| Priority: |  |
| Frequency of Use: |  |
| Flow of Events: | 1. The User selection option to filter task. 2. The application filter base on entered ‘keyword’ if non   no filter will be done.   1. Display the todo list appropriately.   . |
| Alternative Flows: | AF-S3: Display Tasks display appropriate message  3. If todo list empty prompt user it is empty. |
| Exceptions: |  |
| Includes: |  |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |

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| Use Case ID: | 005 | | |
| Use Case Name: | Completing Task | | |
| Created By: | Bryan Chatsirichai | Last Updated By: | Bryan Chatsirichai |
| Date Created: | 30/8/22 | Date Last Updated: | 30/8/22 |

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| --- | --- |
| Actor: | User (Initiating Actor), users Task Database |
| Description: | The user completes a task and receive rewards. |
| Preconditions: | 1. The user is logged into their account |
| Postconditions: | 1. The User todo list is updated and receive reward |
| Priority: |  |
| Frequency of Use: |  |
| Flow of Events: | 1. The User completed the task. 2. The User enter the task as completed. 3. The system will reward the user for completing a task. 4. The system removes the completed task from todo list and update the database accordingly.   . |
| Alternative Flows: | AF-S4: Update database display appropriate message  3. If updating has error display prompt user. |
| Exceptions: |  |
| Includes: |  |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |

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| Use Case ID: | 006 | | |
| Use Case Name: | Display shop items | | |
| Created By: | Bryan Chatsirichai | Last Updated By: | Bryan Chatsirichai |
| Date Created: | 30/8/22 | Date Last Updated: | 30/8/22 |

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| --- | --- |
| Actor: | User (Initiating Actor), Item Database |
| Description: | The user viewing the item shop |
| Preconditions: | 1. The user is logged into their account |
| Postconditions: | 1. The Shop items are displayed |
| Priority: |  |
| Frequency of Use: |  |
| Flow of Events: | 1. The User selection option to filter task. 2. The application filter base on entered ‘keyword’ if non   no filter will be done.   1. Display the shop items appropriately.   . |
| Alternative Flows: |  |
| Exceptions: |  |
| Includes: |  |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |

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| --- | --- | --- | --- |
| Use Case ID: | 007 | | |
| Use Case Name: | Buying shop items | | |
| Created By: | Bryan Chatsirichai | Last Updated By: | Bryan Chatsirichai |
| Date Created: | 30/8/22 | Date Last Updated: | 30/8/22 |

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| --- | --- |
| Actor: | User (Initiating Actor), Item Database |
| Description: | The user viewing the item shop |
| Preconditions: | 1. The user is logged into their account |
| Postconditions: | 1. The User bought the item |
| Priority: |  |
| Frequency of Use: |  |
| Flow of Events: | 1. The User selection option to filter task. The application filter base on entered ‘keyword’. If none, no filter will be done. 2. Display the shop items appropriately. 3. The User select item to buy. 4. The User pays for the item. 5. The User funds deducted appropriately 6. Item added to user inventory. 7. User inventory database updated.   . |
| Alternative Flows: | AF-S4: If the user has insufficient funds.   1. The application would display “Insufficient funds” 2. The application returns to step 3. |
| Exceptions: |  |
| Includes: |  |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |

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| --- | --- | --- | --- |
| Use Case ID: | 008 | | |
| Use Case Name: | Display Inventory | | |
| Created By: | Bryan Chatsirichai | Last Updated By: | Bryan Chatsirichai |
| Date Created: | 30/8/22 | Date Last Updated: | 30/8/22 |

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| --- | --- |
| Actor: | User (Initiating Actor), users Task Database |
| Description: | The user displaying his/her inventory llist. |
| Preconditions: | 1. The user is logged into their account |
| Postconditions: | 1. The User inventory list is displayed |
| Priority: |  |
| Frequency of Use: |  |
| Flow of Events: | 1. The User selection option to filter task. 2. The application filter base on entered ‘keyword’ if non,no filter will be done. 3. Display the inventory list appropriatly.   . |
| Alternative Flows: | AF-S3: Display Inventory error display appropriate message  3. If todo list empty prompt user it is empty. |
| Exceptions: |  |
| Includes: |  |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |

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| --- | --- | --- | --- |
| Use Case ID: | 009 | | |
| Use Case Name: | Equip Inventory Item | | |
| Created By: | Bryan Chatsirichai | Last Updated By: | Bryan Chatsirichai |
| Date Created: | 30/8/22 | Date Last Updated: | 30/8/22 |

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| --- | --- |
| Actor: | User (Initiating Actor), users Task Database |
| Description: | The user displaying his/her inventory llist. |
| Preconditions: | 1. The user is logged into their account |
| Postconditions: | 1. The User equip an item from inventory |
| Priority: |  |
| Frequency of Use: |  |
| Flow of Events: | 1. The User selection option to filter task. 2. The application filter base on entered ‘keyword’. If none, no filter will be done. 3. Display the inventory list appropriately. 4. The user selects what item to equip. 5. The user avatar updated appropriately.   . |
| Alternative Flows: | AF-S3: Display Inventory error display appropriate message  3. If todo list empty prompt user it is empty. |
| Exceptions: |  |
| Includes: |  |
| Special Requirements: |  |
| Assumptions: |  |
| Notes and Issues: |  |