
BTree

BeeKey
Use-Case Specification

Version <1.0>

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| Beekey | Version: 1.0 |
| Use-Case Specification | Date: <29/06/2021> |

Revision History

| Date | Version | Description | Author |
|------------|---------|---------------------------------|---------------|
| 29/06/2021 | 1.0 | First specification all feature | Bùi Đăng Khoa |
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Use-Case Specification

1. Sign up

| | |
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| Use case ID | BK01 |
| Name | Sign up |
| Brief Description | User fills in the following form to create an account. |
| Actor | Users |
| Pre-conditions | Users must have a Beekey application. |
| Post-conditions | Successfully creating a new account at the server. |
| Scenario | <ol style="list-style-type: none"> 1. Open Beekey application. 2. Click to "Sign up to become new Bee" 3. User fills in the following form on the Signup Screen. 4. User clicks the "Signup" Button. 5. System sends all information to the Server. 6. Server response. 7. Return to the Login Screen. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, show Toast to give the user more information. - If there is any blank field, the User cannot come to the Main screen. Show Toast to give more information. - If the Password and Re-enter Password are different, the user cannot create an account. - If the username existed, the user cannot create an account, show Toast to give the user more information. |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 3 second |

2. Login

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| Use case ID | BK02 |
| Name | Login |
| Brief Description | User fills username, password. Then the system will check |

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| | and decide login success or not. |
| Actor | Users |
| Pre-conditions | Users must have an account in the server before. |
| Post-conditions | Successfully logging in to the app |
| Scenario | <ol style="list-style-type: none"> 1. Open Beekey application. 2. User fill username, password. 3. User clicks the Login Button. 4. System sends username and password to the server. 5. Server response. 6. Login success, user comes to Main screen of Beekey. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If username, password don't exist, the User cannot come to the Main screen. Show Toast to give more information - If the user hasn't logged out, the app may auto login when open |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 3 second |

3. Change password

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|-------------------|---|
| Use case ID | BK03 |
| Name | Change password |
| Brief Description | User fills old password, new password to change the current password. |
| Actor | Users |
| Pre-conditions | Users must have logged already. |
| Post-conditions | Password changed. |
| Scenario | <ol style="list-style-type: none"> 1. Users click the Settings tab at the bottom navigation. 2. Users click "Change password". 3. Users fill an old password, a re-enter password, a new password. 4. Click change. |

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| | <ol style="list-style-type: none"> 5. System sends the old password and the new password to the server. 6. Server response. 7. A password changed. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, show Toast to give more information. - If the password is not correct. Users cannot change a password. Show Toast to give more information - If the password and re-enter password are different, the user cannot change password. Show Toast to give more information |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 3 second |

4a. Show your information

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| Use case ID | BK04a |
| Name | Show your information |
| Brief Description | Users can view your information by click to avatar button at bottom navigation |
| Actor | Users |
| Pre-conditions | Users must have logged already. |
| Post-conditions | Users can view all information of user |
| Scenario | <ol style="list-style-type: none"> 1. Click the user icon at bottom navigation. 2. System change to User information Screen 3. System send request to Server to get user information 4. Server will respond 5. Information of user show in box |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 3 second |

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4b. Show other's information

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| Use case ID | BK04b |
| Name | Show other's information |
| Brief Description | Users can view each other's information by click to Username of them |
| Actor | Users |
| Pre-conditions | Users must have logged already "User post request" must accept "User do task" already. |
| Post-conditions | Users can view all information of other user |
| Scenario | <ol style="list-style-type: none"> 1. In view specification of request 2. Click the username of lancer. 3. System send request to Server to get user information 4. Server will respond. 5. System redirect "user screen" to view information of lancer. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 3 second |

5. Edit basic information

| | |
|-------------------|---|
| Use case ID | BK05 |
| Name | Edit basic information |
| Brief Description | Users can edit their information by click to information box |
| Actor | Users |
| Pre-conditions | Users must have logged already. |
| Post-conditions | Users can view all information about other user |
| Scenario | <ol style="list-style-type: none"> 1. Click the setting icon at bottom navigation. 2. Click on the "Edit information" button 3. Fill the following form. 4. Click Change. 5. System post to Server |

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| | 6. Server Response 7. Edit success. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. Edit fail. - If there is any blank field, the user cannot change. |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

6. Filter Requirement

| | |
|---------------------|--|
| Use case ID | BK06 |
| Name | Filter Requirement |
| Brief Description | Users filter the task by category of task by choosing the category in the bar option. |
| Actor | Users |
| Pre-conditions | Users must have logged already Have task in server |
| Post-conditions | Users can view all task in this category |
| Scenario | <ol style="list-style-type: none"> 1. Users click the "Lookup button" at the bottom navigation. 2. Choose the category the user wants. 3. System send request to Server 4. Server response satisfied the query. 5. List task shown on screen. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - if don't have list task in server, nothing shown on screen |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

7. Post project

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| Use case ID | BK07 |
| Name | Post project |

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| Brief Description | Users can post task by fills all field in “post task” screen |
| Actor | Users |
| Pre-conditions | Users must have logged already |
| Post-conditions | Post task successfully, task is on the server |
| Scenario | <ol style="list-style-type: none"> 1. Users click the “Plus icon” at the bottom navigation. 2. Users fill in the form, include: Task title, Description, Category, Price, Deadline and upload File attach 3. Users click on the “Done button” 4. System send the task to the server 5. Server responses and redirect to the main screen |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If any part of the form is empty, system don't send the task to the server, and show Toast to give more information to remind users to fill in |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

8. Make counter-offer

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|-------------------|---|
| Use case ID | BK08 |
| Name | Counter-offer |
| Brief Description | Users can bargain for the cost by clicking on the task, filling cost and reason, click send. |
| Actor | Users |
| Pre-conditions | Users must in “Task filter” screen Have task in server |
| Post-conditions | Users can view all information about other user |
| Scenario | <ol style="list-style-type: none"> 1. In the filter requirement, User choose the task 2. Display the counter offer view. 3. Fill the cost user want in “counter-offer price” 4. Fill the reason in “counter-offer price” 5. Click “Done” 6. System send to server this task |

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| | 7. Server response |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If any part of the form is empty, system don't send the task to the server, and show Toast to give more information to remind users to fill in |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

9. View list request

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| Use case ID | BK09 |
| Name | View list request |
| Brief Description | Users can view all their request by click "Request" in "User Information" |
| Actor | Users |
| Pre-conditions | Users must have logged already |
| Post-conditions | Users can view all request they have posted before |
| Scenario | <ol style="list-style-type: none"> 1. User clicks on the "Request button" in "User information screen" 2. System redirect to the "My request screen" 3. User check the list of requests, can scroll down to view more older requests |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - User can click on 1 of requests to view more detail about it - System redirect to the corresponding task view |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

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10. View list task

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| Use case ID | BK10 |
| Name | View list task |
| Brief Description | Users can view all currently receiving tasks by click "Task" in "User Information" |
| Actor | Users |
| Pre-conditions | Users must have logged already |
| Post-conditions | Users can view all tasks user currently receive |
| Scenario | <ol style="list-style-type: none"> 1. User clicks on the "Task button" in "User information screen" 2. System redirect to the "My task screen" 3. User check the list of tasks, can scroll down to view more older tasks |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - User can click on 1 of tasks to view more detail about it - System redirect to the corresponding task view |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

11. View information of a specified request

| | |
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| Use case ID | BK11 |
| Name | View information of a specified request |
| Brief Description | Users can view more details of a request by click "request box" in "My list request" Screen |
| Actor | Users |
| Pre-conditions | Users must have logged already. Have the request they want to view |
| Post-conditions | Users can view all information of a specified request |
| Scenario | <ol style="list-style-type: none"> 1. Users find a request they want to view information. 2. Click on the request 3. System send query to server |

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| | <ol style="list-style-type: none"> 4. Server response 5. System redirect to the "Request View" of this request. 6. Display the information of the chosen request. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If users don't have a request, nothing can be chosen. - If the request has been accepted, "Request view" screen has 2 buttons, "Chat" and "Done". - If the request hasn't been accepted, "Request view" screen has 1 button is "View offer" |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

12. View information of a specified task

| | |
|-------------------|---|
| Use case ID | BK12 |
| Name | View information of a specified task |
| Brief Description | Users can view more details of a request by click "request box" in "My task request" Screen |
| Actor | Users |
| Pre-conditions | Must in "My list task" Screen |
| Post-conditions | Users can view all information of a specified task |
| Scenario | <ol style="list-style-type: none"> 1. Users find a task they want to view information. 2. Click on the task 3. System send query to server 4. Server response 5. System redirect to the "Task View" of this request. 6. Display the information of the chosen task. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If users don't have a task, nothing can be chosen. |
| Special | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

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| Requirement | |
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13. View all counter-offer

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| Use case ID | BK13 |
| Name | View all counter-offer |
| Brief Description | Users can view all counter offers of the request by click to "view offer button" in "Request View" screen |
| Actor | Users |
| Pre-conditions | Must in view information of a specified request ("My list request" Screen) The request hasn't been accepted yet. |
| Post-conditions | Users can view all counter offers |
| Scenario | <ol style="list-style-type: none"> 1. User choose the request hasn't been accepted yet. 2. System redirect to "Request View" screen 3. Click the "View offer" button. 4. System redirect to "Counter offer list Screen" and display |
| Alternative flow | - If the server time out. Response failed, Show Toast to give more information. |
| Special Requirement | - Server response to the user less than 10 second |

14. Accept/Decline counter offer

| | |
|-------------------|---|
| Use case ID | BK14 |
| Name | Accept/Decline counter offer |
| Brief Description | Users decide to accept/decline the counter offer by click to the "counter offer box" in "View offer" Screen |
| Actor | Users, Beekey team |
| Pre-conditions | Must in "My list request" Screen The request has been counter offer. |

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| Post-conditions | Users can view all counter offers |
| Scenario | <ol style="list-style-type: none"> 1. User choose the counter offer box want to decided Accept/Decline 2. System sends a message: "Which action do you want to do to this counter offer?" and show 3 selections are "Accept", "Decline", "Cancel". 3. User choose "Accept Button" 4. System send to server 5. Server response 6. The task status becomes "doing". 7. All the other offer are decline 8. System redirect to "Request view" Screen 9. Money of "User post request" transfer to Beekey Team. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If user clicks on the "Cancel button", and back "View offer" Screen - If the user does not have enough money in account, the acceptance will not perform. |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

15. Done Request

| | |
|-------------------|---|
| Use case ID | BK15 |
| Name | Done request |
| Brief Description | Users decide request is done |
| Actor | Users, Beekey team |
| Pre-conditions | Must in "My list request" Screen The request has been accepted |
| Post-conditions | The request is done |
| Scenario | <ol style="list-style-type: none"> 1. User choose the counter offer box want to decided Request is Done 2. Click "Done Button" 3. System sends a message: "Are you sure the request is |

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| | <p>done?” and show 2 selections are “OK”, “Cancel”</p> <ol style="list-style-type: none"> 4. User choose OK 5. System redirect to “Feedback” Screen 6. System sends feedback to Server. 7. Money from Beekey team transfers to “User do task”. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If user clicks on the “Cancel button”, back “My list Request” Screen |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

16. Feedback

| | |
|---------------------|--|
| Use case ID | BK16 |
| Name | Feedback |
| Brief Description | Fills the feedback about others users |
| Actor | Users |
| Pre-conditions | Must Done request |
| Post-conditions | Send feedback to BeeKey team, other's user has this feedback in information |
| Scenario | <ol style="list-style-type: none"> 1. Users fill feedback 2. Users click “Done button” 3. System send to Server 4. Server response 5. System update data of app 6. Back “My list Request” Screen |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If user clicks on the “Cancel button”, back “My list Request” Screen |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

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17a. Chatting (User do task)

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| Use case ID | BK17a |
| Name | Chatting (user do task) |
| Brief Description | User do task can chat with user post request |
| Actor | Users |
| Pre-conditions | User post task accept with user do task |
| Post-conditions | User do task chat with user do task user post task |
| Scenario | <ol style="list-style-type: none"> 1. View information of a specified task 2. Click "Chat" Button 3. System redirect to "Chat box Screen" 4. Feel free to chat with "User post request" 5. System send message to server 6. Server response |
| Alternative flow | - If the server time out. Response failed, Show Toast to give more information. |
| Special Requirement | - Server response to the user less than 10 second |

17b. Chatting (User post request)

| | |
|-------------------|---|
| Use case ID | BK17a |
| Name | Chatting (user post request) |
| Brief Description | User do task can chat with user post request |
| Actor | Users |
| Pre-conditions | User post task accept with user do task Receive counter-offer |
| Post-conditions | User post task chat with user do task |
| Scenario | <ol style="list-style-type: none"> 1. View information of a specified request 2. Click "Chat Button" 3. System redirect to "Chat box Screen" 4. Feel free to chat with "User do task" 5. System send message to server 6. Server response |

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| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

18. Top-up

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| Use case ID | BK18 |
| Name | Topup |
| Brief Description | Users can top-up the money from the linked bank system. |
| Actor | Users, Beekey team |
| Pre-conditions | Users must have logged already. |
| Post-conditions | Success top-up money. |
| Scenario | <ol style="list-style-type: none"> 1. User clicks on the “setting” button at the bottom navigation. 2. System redirects to the “Setting screen” 3. User clicks on the “Top up” button 4. Fills the money the user wants. 5. Click the “Top-up” button. 6. System sends to server. 7. Server response. 8. Money of the user increases. |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If the user clicks the “Cancel” button, nothing changes. System redirect to the “Settings screen” |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |

19. Logout

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| Use case ID | BK19 |
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| Name | Logout |
| Brief Description | User logs out of the system |
| Actor | Users |
| Pre-conditions | Users must have logged already. |
| Post-conditions | User logout successfully |
| Scenario | <ol style="list-style-type: none"> 1. User clicks on the “setting” button at the bottom navigation 2. System redirects to the “Setting screen” 3. User clicks on the “Logout” button 4. System sends a message: “Are you sure you want to logout?” and show 2 selections are “Ok” and “Cancel” 5. User clicks on the “Ok button” 6. The account be logged out of server 7. System redirect to the “Login screen” |
| Alternative flow | <ul style="list-style-type: none"> - If the server time out. Response failed, Show Toast to give more information. - If user clicks on the “Cancel button”, back to the “Setting screen” |
| Special Requirement | <ul style="list-style-type: none"> - Server response to the user less than 10 second |