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| **Name: sign up** | **ID: PS\_US\_SU\_01** |
| **Stakeholders and goals:** User can sign up a new account | |
| **Description:** User can sign up a new account by providing some information | |
| **Trigger:** User click the button of sign up | |
| **Normal flow:**  1:User click sign up button in the top right corner。  2:Input their username  3:Check is their a account which has the same display name with the user’s input or not, if there is already someone named the display name, notice user, and check the length of display name, if it was not from 5 to 10, noticed user to change  4: Input password  5: If the length of password was not from 5 to 10, noticed user to change  6: Input confirm password, if it is not the same with password, noticed user  7: Input email  8: Check the format of email is right or not, if not, notice user.  9:Click sign up button  10: Check there are some notice or not, if there is some notice that will be forbid user to sign up  11: End | |
| **Sub-flows:** none | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: login** | **ID: PS\_US\_LG\_01** |
| **Stakeholders and goals:** User can login according their username and password | |
| **Description:** User can login according their username and password | |
| **Trigger:** User click the button of login | |
| **Normal flow:**  1:User click login button in the top right corner。  2:Input their username/email and password  3:System will check that the username and the password is correct or not.  4:System will recognize the user is normal user or administrator  5:Redirect to different page according the user’s role  4:End | |
| **Sub-flows:** none | |
| **Alternative/Exceptional flows:**  none | |

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| **Name: log out** | **ID: PS\_US\_LG\_02** |
| **Stakeholders and goals:** User can log out | |
| **Description:** User log out | |
| **Trigger:**  Log out | |
| **Normal flow:**  1:User click the button which show their display name in the top right corner。  2:Choose logout  4:End | |
| **Sub-flows:** change password | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: manage user profile** | **ID: PS\_US\_VP\_01** |
| **Stakeholders and goals:** User – to manage all profile about users’ | |
| **Description:** User through this case to manage their own profile | |
| **Trigger:** User want to manage their profile | |
| **Normal flow:**  1:User click the button which show their display name in the top right corner。  2:Choose management button  3:The system check user is illegal or not(if user do not do anything for 30 minutes, that user will be recognize as an illegal user, need login again)  4:User will choose which operate the want to do  5:End | |
| **Sub-flows:** change password | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: change password** | **ID:PS\_US\_CP\_02** |
| **Stakeholders and goals:** User can change their own password | |
| **Description:** User can change their own password | |
| **Trigger:** User click the button of update | |
| **Normal flow:**  1:User click update button。  2:Input new password  3: If the length of password was not from 5 to 10, noticed user to change  4: Click save button  5:Notice user this operation is successful or not  6: End | |
| **Sub-flows:** none | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: change profile** | **ID:** **PS\_US\_CP\_01** |
| **Stakeholders and goals:** User can change their own information | |
| **Description:** User can change their own profile | |
| **Trigger:** User click the button of update | |
| **Normal flow:**  1:User click update button。  2:Input new information  3: Check all user’s inputting, if any information is illegal, return false  4: Click save button  5:Notice user this operation is successful or not  6: End | |
| **Sub-flows:** none | |
| **Alternative/Exceptional flows:**  none | |

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| **Name: question** | **ID:** **QS\_VQ\_01** |
| **Stakeholders and goals:** Anyone can scan the detail information for every question. | |
| **Description:** User can scan question | |
| **Trigger:** User click the title of each question | |
| **Normal flow:**  Consulate with it’s sub-flows. | |
| **Sub-flows:** ask question, search question, scan question detail information, add comment, add answer, Accept answer， sort answer, vote | |
| **Alternative/Exceptional flows:**  none | |

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| **Name: view question detail information** | **ID:QS\_QM\_VQA\_01** |
| **Stakeholders and goals:** User can scan the detail information for every question | |
| **Description:** User can scan question | |
| **Trigger:** User click the title of each question | |
| **Normal flow:**  1:Click question which do not have detail information  2:Redirect to question detail page  3:End | |
| **Sub-flows:** add answer, add comment | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: add comment** | **ID:** **QS\_CM\_AC\_01** |
| **Stakeholders and goals:** User can comment the question | |
| **Description:** User can comment the question | |
| **Trigger:** User click the button of add comment | |
| **Normal flow:**  1:Click add comment button  2:Show the input text to user to accept user’s input  3:Input comment  4:Click save button  5:Check user is legal or not  3:End | |
| **Sub-flows:** add answer, add comment | |
| **Alternative/Exceptional flows:**  none | |

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| **Name: add answer** | **ID:QS\_AM\_ANA\_01** |
| **Stakeholders and goals:** User can answer the question | |
| **Description:** User can answer the question | |
| **Trigger:** User click the button of answer | |
| **Normal flow:**  1:Click answer button  2:Show the input text to user to accept user’s input  3:Input answer  4:Click save button  5:Check user is legal or not  3:End | |
| **Sub-flows:** | |
| **Alternative/Exceptional flows:**  none | |

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| **Name: Accept answer** | **ID:** **QS\_AM\_AA\_01** |
| **Stakeholders and goals:** | |
| **Description:** The question’s owner can choose which answer will be accepted. | |
| **Trigger:** User click the button of accept | |
| **Normal flow:**  1:User click question’s title which belongs to the login user  2:Click the accept  3:Notice user successful or not  4: End | |
| **Sub-flows:** none | |
| **Alternative/Exceptional flows:** none | |

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| **Name: Sort answer** | **ID:** **QS\_AM\_SA\_01** |
| **Stakeholders and goals:** Sort the answer by creation time or vote number | |
| **Description:** Sort the answer by creation time or vote number | |
| **Trigger:** Sort the answer by creation time or vote number | |
| **Normal flow:**  1:User click question  2:Click the sort rule, according to creation date is the default rule.  3: End | |
| **Sub-flows:** none | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: Show comment** | **ID:** **QS\_CM\_VC\_01** |
| **Stakeholders and goals:** Show comments | |
| **Description:** Show comments | |
| **Trigger:** Show comments | |
| **Normal flow:**  1:User click question  2:Click ‘show more ’ button to see more comment.(there are 5 comments will be showed when show the question)  3: End | |
| **Sub-flows: the same as view question’s detail** | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: vote** | **ID:QS\_CM\_VQA\_01** |
| **Stakeholders and goals:** vote the question and answer up or down | |
| **Description:** vote up or down | |
| **Trigger:** vote up or down | |
| **Normal flow:**  1:User click question  2:Click up or down button  3: End | |
| **Sub-flows:** none | |
| **Alternative/Exceptional flows:**  none | |

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| **Name: view the number of the vote of question and answer** | **ID:** **QS\_CM\_VV\_01** |
| **Stakeholders and goals:** view times counting | |
| **Description:** view times counting | |
| **Trigger:** view times counting | |
| **Normal flow:**  1:User click question  3: End | |
| **Sub-flows:** none | |
| **Alternative/Exceptional flows:**  none | |

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| **Name: ask question** | **ID: QS\_AM\_EA\_01** |
| **Stakeholders and goals:** User can scan ask a new question | |
| **Description:** User can ask a new question | |
| **Trigger:** User click the button ask question | |
| **Normal flow:**  1:User click ask question button  2:Check user is legal or not  3:Redirect to ask question page  4:Input question information  5:Click save button  6:Check user is legal or not  7:End | |
| **Sub-flows: no** | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: search question** | **ID:** **SS\_SQ\_01** |
| **Stakeholders and goals:** search question | |
| **Description:** search question | |
| **Trigger:** search question | |
| **Normal flow:**  1:User input what the want to know in index page  2:Click search button  3: End | |
| **Sub-flows:** sort searching question | |
| **Alternative/Exceptional flows:**  1:Click search button straightly, it will redirect to searching question page  2:Input what user want to know and choose tags  3:Click search button  4:End | |

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| --- | --- |
| **Name: sort for searching question** | **ID:** **SS\_SR\_01** |
| **Stakeholders and goals: sort for** searching question | |
| **Description:** sort for searching question | |
| **Trigger:** search question | |
| **Normal flow:**  1:User input what the want to know in index page  2:Click search button  3:Choose sort rule  3: End | |
| **Sub-flows:** none | |
| **Alternative/Exceptional flows:**  1:Click search button straightly, it will redirect to searching question page  2:Input what user want to know and choose tags  3:Click search button  4:Choose sort rule.  4:End | |

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| **Name: manage User** | **ID: 11** |
| **Stakeholders and goals:** Administrator can manage user | |
| **Description:** Administrator can manage user | |
| **Trigger:** Administrator can manage user according the button of “manage user” | |
| **Normal flow:**  1: Administrator can manage user click manage user button  2:Show user’s important information (not personal information)  4:End | |
| **Sub-flows: add some limitation to user, frozen user** | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: add some limitation to user** | **ID: 12** |
| **Stakeholders and goals:** Administrator can add some extra limitation user | |
| **Description:** Administrator can add some extra limitation user | |
| **Trigger:** Administrator click the button of “as a administrator” | |
| **Normal flow:**  1: Administrator click the button of “as a administrator”  2:Check administrator is legal or not  2:Noitce operation is successful or not  4:End | |
| **Sub-flows: add some limitation to user, frozen user** | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: frozen user** | **ID: 13** |
| **Stakeholders and goals:** Administrator can frozen user | |
| **Description:** Administrator can frozen user | |
| **Trigger:** Administrator click the button of “frozen” | |
| **Normal flow:**  1: Administrator click the button of “frozen”  2:Check administrator is legal or not  2:Noitce operation is successful or not  4:End | |
| **Sub-flows: add some limitation to user, frozen user** | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: operator** | **ID: 14** |
| **Stakeholders and goals:** Administrator can hide some illegal data | |
| **Description:** Administrator can hide some illegal data | |
| **Trigger:** Administrator click the button of “hidden” | |
| **Normal flow:**  1: Administrator click the button of “hidden”  2:Check administrator is legal or not  2:Noitce operation is successful or not  4:End | |
| **Sub-flows: add some limitation to user, frozen user** | |
| **Alternative/Exceptional flows:**  none | |

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| --- | --- |
| **Name: show data tendency** | **ID: 15** |
| **Stakeholders and goals:** Show data tendency to administrator | |
| **Description:** Show data tendency to administrator | |
| **Trigger:** Show data tendency to administrator | |
| **Normal flow:**  1: Administrator log in  4:End | |
| **Sub-flows: add some limitation to user, frozen user** | |
| **Alternative/Exceptional flows:**  none | |