

Acceptance Criteria and Acceptance Tests

| User Story | Functional requirement | Non-functional requirement | Acceptance criteria | Acceptance tests |
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| As a researcher, I want to check the identity of the participant to make sure only one response is submitted per person. | Checking the user's cookies ensures that each participant has only one response. | a) policy should be mentioned in the user agreement. b)This step should not take too much time. | Cookies check process will be conducted before survey taking process, a clear indicator message will be returned to verify the authentication | a)Go to the next page without accepting the cookies will not be successful. b)Go to the next page after accepting the cookies will be successful. |
| As a researcher, I want my designed survey questions to display correctly so that people from different cultural backgrounds can take the survey as expected. | Text areas should be consistent when displayed with right-to-left languages and left-to-right languages | The fonts and layout will be displayed in a comfortable way | Participant from different cultural background can easily read and understand the survey | a)Display the Chinese and English survey and the layout will be from the left to right and the words in a proper font will be shown in the website page. b)Display the Arabic survey and the layout will be from the right to left and the words in a proper font will be shown in the website page. |
| As a researcher, I want my survey can be shared via a generated link so that my survey can be distribute to external environments | a)A link can be generated after the researcher completes the survey b)The generated link can redirect the visitor to the correct survey | NA | Visitor clicks on link generated by A cannot be redirected to survey B | a)Create 10 different surveys in the database and generate 10 links corresponding to these surveys. Click on each link to check if they can redirect you to the correct survey. |
| As a participant, I have to sign consent to the | The consent form page should display | Content related to privacy policy and | If user disagrees with | a)Go to the next page without accepting the consent, it will not be |

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| privacy and user agreement so I can proceed with the research. | before the survey. Only after agreeing to the consent can the participant continue to the next step | data usage need to be highlighted for participants. | the consent, he/she will not have further access to completing the survey until the consent is agreed | successful. b)Go to the next page after accepting the consent, it will be successful. |
| As a participant, I can see the progress indicator, so I can check how much I have done and left to finish. | <p>a)The progress indicator should be very obvious for the user.</p> <p>b)The progress indicator should update instantly when user completing any task or move back to former task</p> <p>c)The progress indicator should be shown as percentile and the calculation should be correct</p> <p>d)Only after the questions have been answered, history will count in the indicator.</p> | The system should record the progress locally to save the server resources | <p>a)The user can notice the progress without any difficulty</p> <p>b)When the user move forward and backward in the survey, the progress indicator can be shown clearly and quickly</p> | <p>a)Open a survey, the process indicator indicates the process is 0%.</p> <p>b)At this time, the indicator shows n%. I move forward to the last question, the indicator changes accordingly.</p> <p>c)At this time, the indicator shows n%. I move backward to the next question, the indicator changes accordingly.</p> <p>d)At this time, the indicator shows n%. I move forward to the last question and remove my answer, changing accordingly.</p> <p>e)At this time, the indicator shows n%. I move backward to the next question and then answer it, the indicator changes.</p> <p>f) After completing a survey, the indicator must indicate the process is 100%.</p> |
| As a participant, I can have my answer autosaved so I can safely keep my previous answer and take the survey later. | a)The system will automatically store the answers after a certain time interval or zoom-out event Functional from each question. | The system should display a sign to indicate the answer has been saved automatically | a)The user can continue his work whenever during the valid time interval, which depends on survey settings given by the designer. | a) Complete a survey including many questions, after making any changes, the 'auto saved' symbol will show to tell me my answer has been auto saved. At this time the process indicator shows n%. Leave the survey for a time which is within the time limit, when I come back to the survey, my answer will be intact and progress indicates n%. |

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| | <p>b)Every answer will be saved into the database.</p> | | <p>b)The system should notify the user clearly that his work is stored when they completing the survey</p> | <p>b) Completing a survey including many questions, after making any changes, the 'auto saved' symbol will show to tell me my answer has been auto saved. Leave the survey for a time which is beyond the time limit, when the process indicator shows n%, then when I go back to the survey, a page will indicate that my answer was removed and I need to answer the survey again.</p> |
| <p>As a participant, I want to have a notification to inform me the survey is complete so I know it is safe to close the survey.</p> | <p>a)After finishing all questions and submitting, display a page where surveys have been submitted.</p> <p>b)A unique receipt ID will be generated for identity indicator in case that the survey taker want to contact the researcher</p> | <p>NA</p> | <p>a)Only the participants who complete the whole survey can obtain a receipt ID</p> <p>b)Receipt ID generated should be unique</p> | <p>a)Invite people to take surveys and after completing 100 surveys, compare the ID to check whether they are unique.</p> <p>b)After completing a survey, I will be in the THANK YOU page and I will get the unique ID.</p> <p>c) I leave the survey without submitting the answer, I will not get the unique ID and no THANK YOU page shows out.</p> |
| <p>As a participant, I want to submit my answer when I finish the survey so that the completed answer can be recorded.</p> | <p>a)After finishing all questions, the user can submit the answer by clicking on the submit button.</p> <p>b)The submit button will show up when the user reaches the last question.</p> <p>c)After clicking the submit button, the finishing notification will display if the submission is successful.</p> | <p>a)The submit button is easy to find.</p> <p>b)Following finishing notification display smoothly.</p> | <p>a)Only when the participants reach the last question, the submit button shows up.</p> <p>b)The submit button can lead users to the THANK YOU page.</p> <p>c)If the user has not completed all the compulsory questions, the submission will</p> | <p>a)Take a survey with 10 questions. When I am doing the 1-9 question, no submit button shows up(what shows is the next button). When I reach the last questions, the submit button shows up. I finish all the compulsory questions and I click on the 'submit' button, the web is redirected to the THANK YOU page.</p> <p>b)Take a survey with 10 questions. When I have not reached the last question, no submit button shows up. I omit some compulsory questions. When I reach the last questions, the submit button shows up. I click on the 'submit' button, the web</p> |

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| | | | not be successful. | warns me that there are compulsory questions that haven't been answered and no THANK YOU page shows. |
| As a participant, I can view and take surveys using different screen sizes. | The survey can be orientated well with different screen sizes. | The margin in the small screen is reasonably smaller than in the large screen size. | The survey can display well using a range of different screen sizes and no information is missed. | a)Use these screen sizes: Ipad, IphoneX, Iphone 5 on Chrome to test the survey display and open the survey with the phone to test if all information is laid out correctly. |
| As a participant, I can see the time limit of the survey and expiration time of the survey. | When the time is up, the survey will be automatically submitted. | The time counter is counting down until zero and it is obvious for the user to see. | The survey will be submitted automatically when the time is up and before the time, the participants can fill and change their answers. | a)Set the time limit with 2min, 5min, and 10 min to see if the time counter works correctly and the survey can be submitted automatically and the answers can be found in the database. |