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System Testing

System testing will be mainly focused on:

- External interfaces.
- Multi program and complex functionalities.
- Security-related issues.
- Recovery steps.
- Performance measurement.
- Operator and user's smooth interaction with the system.
- Installability.
- Documentation.
- Usability of the system.
- Load/Stress of the system.

How to conduct system testing

1. Create a Test Plan.
2. Create System Test Cases and test scripts.
3. Prepare the test data required for this testing.
4. Execute the system test cases and script.
5. Report the bugs. Re-testing the bugs once fixed.
6. Regression testing to verify the impact of the change in the code.
7. Repetition of the testing cycle until the system is ready to be deployed.
8. Sign off from the testing team.

Test Cases

- Visitor
- Admin

Visitor

System Testing Use Cases

- US1.2
- US1.3
- US1.4
- US1.5
- US1.6
- US2.1
- US2.2
- US2.3
- US2.4

US1.2

USER STORY US1.2: Perform Relationship Assessment

Purpose: To perform a relationship assessment for iDecide	
Test Run Information:	Prerequisites for this test: None
Tester Name:	Haobei Ma
Date(s) of Test:	28 Aug 2020
NOTES and RESULTS: All things have been fixed for this user story to work; User registration, survey.	

TEST SCRIPT STEPS/RESULTS					
ST EP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COM MENT
Perform Relationship Assessment					
1.	Navigate to the iDecide website	Display website	Website is displayed	Pass ✓	
2.	User clicks "Sign Up"	Display Account Creation Page	There is no sign-in button, users have to click login first in order to click sign in	Pass ✓	
3.	User fills in the information and click "Create Account"	The account is successfully created and user is taken to the home page	Sign Up failed	Pass ✓	
4.	User clicks on the Relationship Assessment	The website navigates to the first question of the relationship assessment	The website takes the user to the survey	Pass ✓	
5.	User selects an answer to the question and clicks next	The next question is displayed	The website takes the user to the next question	Pass ✓	
6.	User repeats step 5 until questions are finished	Once the last question is answered, the user is taken back to the home page, and the relationship assessment is now locked for the user	The website takes the user back to the last section of the survey	Pass ✓	
Alternative Flow 1: User decides to take the survey anonymously (Skips Steps 2 and 3)					
1.	User clicks Anonymous	The website navigates the user to the home page	The website skips the login process and takes the user to the surveys	Pass ✓	

US1.3

USER STORY US1.3: Perform Safety Assessment

Purpose: To perform a safety assessment for iDecide	
Test Run Information:	Prerequisites for this test: None
Tester Name:	Yue Hu
Date(s) of Test:	28 Aug 2020
NOTES and RESULTS: The main features of performing safety assessment have been implemented successfully.	

TEST SCRIPT STEPS/RESULTS					
ST EP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COM MENT
Perform Safety Assessment					
1.	Navigate to the iDecide website	Display website	The page is displayed successfully	Pass ✓	
2.	User clicks "Sign Up"	Display Account Creation Page	No sign-in button but log-in	Pass ✓	
3.	User fills in the information and clicks "Create Account"	The account is successfully created and the user is taken to the home page	Can not register but only log in	Pass ✓	
4.	User clicks on the Safety Assessment	The website navigates to the first question of the safety assessment	The page displayed successfully take the user to the survey	Pass ✓	
5.	The user selects an answer to the question and clicks next	The next question is displayed	The questions are readable and can be clicked and the next question is opened	Pass ✓	
6.	User continue to answer the following questions until the questions are finished	Once the last question is answered, the user is taken back to the home page, and the safety assessment is now locked for the user	The user goes back to the end of the survey	Pass ✓	
Alternative Flow 1: User decides to take the survey anonymously (Skips Steps 2 and 3)					
1.	User clicks Anonymous	The website navigates the user to the home page	The user goes to the home page	Pass ✓	

US1.4

USER STORY US1.4: Perform Priorities Assessment

Purpose: To perform priorities assessment for iDecide	
Test Run Information:	Prerequisites for this test: None
Tester Name:	Ashwaq Abdullah M Alsaqer
Date(s) of Test:	09 Sep 2020
NOTES and RESULTS: All the provided features of performing priorities assessment have been implemented successfully.	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COMMENT
Perform Priorities Assessment					
1.	Navigate to the iDecide website	Display website	The page is displayed successfully	Pass ✓	
2.	User clicks "login" button	Display Login page	new users can click on the Sign-up button to create a new account.	Pass ✓	
3.	User clicks "Sign Up"	Display Account Creation Page	Registration form displayed	Pass ✓	
4.	User fills in the information and clicks "Create Account"	The account is successfully created and the user is taken to the home page	Account created successfully	Pass ✓	
5.	User clicks on the Priority Assessment	The website navigates to the first question of the relationship assessment	The page displayed successfully take the user to the survey	Pass ✓	
6.	The user selects an answer to the question and clicks next	The next question is displayed	The questions are readable and can be clicked and the next question is opened	Pass ✓	
7.	User continue to answer the following questions until questions are finished	Once the last question is answered, the user is taken back to the home page, and the priority assessment is now locked for the user	The user continues answering questions to the end of the survey	Pass ✓	
Alternative Flow 1: User decides to take the survey anonymously (Skips Steps 2 and 3)					
1.	User clicks Anonymous	The website navigates the user to the home page	The user goes to the home page	Pass ✓	

US1.5

USER STORY US 1.5 : Review Outcome of Surveys Completed



Purpose: To review outcome of the surveys completed	
Test Run Information:	Prerequisites for this test: User has already completed all 3 surveys
Tester Name:	Ashwaq Alsaqer
Date(s) of Test:	20 Sep 2020
NOTES and RESULTS: After the user completes all the required surveys, she can see the final outcome	

TEST SCRIPT STEPS/RESULTS					
ST EP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COMM ENT
Review Outcome of Surveys Completed					
1.	Click 'next' after completing all the surveys	The website will display the results of the user's surveys	The user will be redirected to the survey page to conduct the remaining types of the survey	Pass ✓	
2.	User clicks 'confirm'	System will display a list of recommended strategies	The user will be able to see a proper feedback strategy according to her answer	Pass ✓	

US2.1

USER STORY US2.1: Quick Exit



Purpose: To quickly redirect the user away from the site if the user feels in danger	
Test Run Information:	Prerequisites for this test: User is on the website
Tester Name:	Ashwaq Abdullah M Alsaqer
Date(s) of Test:	15 Sep 2020
NOTES and RESULTS: The quick Exit button has been displayed permanently in all the website pages except the admin page	

TEST SCRIPT STEPS/RESULTS					
ST EP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COMMENT
Quick Exit					
1.	User is on the website	Website functions as usual	user can see this Quick Exit button at the top right of the Home Page	Pass 	
2.	User clicks on the 'Quick Exit' button	The website immediately redirects the user to an innocuous website	The user will be directed to the Australian Forecast Summary website	Pass 	

US2.2

USER STORY US2.2: Get Help



Purpose: To allow the user to get help without having to fill out the surveys	
Test Run Information:	Prerequisites for this test: None
Tester Name:	Ashwaq Abdullah M Alsaqer
Date(s) of Test:	15 Sep 2020
NOTES and RESULTS: Get Help button has been displayed permanently on all the website pages except the admin page	

TEST SCRIPT STEPS/RESULTS					
ST EP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COMM ENT
Get Help					
1.	The user navigates to the website	The website is now displayed	The user can see this Get Help button at the top right of the Home Page	Pass 	
2.	User clicks the 'Get Help' button	The website now displays the contact information for the user to get help	a pop-up window will be displayed with the essential get help information	Pass 	

US2.3

USER STORY US2.3: View Recommended Strategies

Purpose: To view the recommended strategies after completing the surveys	
Test Run Information:	Prerequisites for this test: User has finished the surveys
Tester Name:	Ashwaq Alsaqer
Date(s) of Test:	20 Sep 2020
NOTES and RESULTS: The user can see the five top recommended strategies once all the surveys have been completely answered.	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	C O M M E N T
View Recommended Strategies					
1.	User completes the survey	Website shows the user that they have completed all the surveys	The user will see the summary of all their answer	Pass 	
2.	User clicks the 'View Recommended Strategies' button	Website navigates the user to the recommended strategies	The user will be able to see a proper feedback strategy according to her answer	Pass 	

US2.4

USER STORY US2.4: Receive Feedback After survey

Purpose: To receive feedback after completing the surveys	
Test Run Information:	Prerequisites for this test: User has finished the surveys
Tester Name:	Ashwaq Alsaqer
Date(s) of Test:	20 Sep 2020
NOTES and RESULTS: After each survey, the user can rec/ view the corresponding feedback.	

TEST SCRIPT STEPS/RESULTS					
ST EP	TEST STEP /INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COMM ENT
View Recommended Strategies					
1.	User completes the survey	The website shows the user that they have completed all the surveys	The user will see the summary of all their answer	Pass ✔	
2.	User clicks the 'Next' button	The website provides feedback based on the response given by the user in the surveys	The user will be able to see a proper feedback strategy according to her answer	Pass ✔	

Admin





System Testing Use Cases

- [US3.5](#)
- [US4.1](#)
- [US4.2](#)
- [US4.3](#)
- [US4.5](#)
- [US4.6](#)
- [US4.7](#)

US4.1

USER STORY US4.1: Admin Login/Logout




Purpose: Admin is able to login/logout	
Test Run Information:	Prerequisites for this test: An admin account exists
Tester Name:	Ashwaq Alsaqer
Date(s) of Test:	02 Oct 2020
NOTES and RESULTS: The functionalists of the admin's account to log in and log out have been implemented successfully	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	COMMENT
Admin Logs In					
1.	Admin clicks the 'Login' button on the home page.	The website navigates the admin to the login form	the login form will be displayed to the admin	Pass 	
2.	Admin fills the username and password and clicks 'log in'	Admin is now logged in to the admin portal	The admin views the dashboard.	Pass 	
Alternative Flow 1: Incorrect Input					
1.	Admin fills in the incorrect username and password and clicks 'log in'	The website displays the admin login portal with an additional popup stating that the login was incorrect.	an alert message will be displayed "Failed Login"	Pass 	
Alternative Flow 2: Admin Logs Out					
1.	Admin clicks the 'Log Out' button	The website logs the admin out and returns the user back to the home page	The admin will be redirected to the Home page	Pass 	

US4.2

USER STORY US4.2: Remove Surveys

Purpose: To be able to create or remove surveys	
Test Run Information: Tester Name: Date(s) of Test:	Prerequisites for this test: Admin is logged in Ashwaq Abdullah M Alsaqer 15 Sep 2020
NOTES and RESULTS: After the admin enter his/ her account, they can remove the existing survey by deleting that survey Therefore, this task has been implemented successfully.	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COMMENT
Remove Survey					
1.	Admin clicks Remove Survey	Website displays a list of surveys	A list of the existing survey will be displayed	Pass 	
2.	Admin selects the survey to be removed	Website displays a confirmation message	Click on the Edit button	Pass 	
3.	Admin clicks confirm	Website removes the survey from the database and admin is taken to the admin home page	Click on remove rubbish sign	Pass 	

US4.3

USER STORY US4.3: Admin Create or Edit a Survey

Purpose: To Create or Edit a Survey	
Test Run Information:	Prerequisites for this test: Admin is logged in
Tester Name:	Ashwaq Abdullah M Alsaqer
Date(s) of Test:	17 Sep 2020
NOTES and RESULTS: After the admin enter his/ her account, they can create a new survey or edit the existing surveys by clicking on add new survey or Edit button. Therefore, this task has been implemented successfully.	

TEST SCRIPT STEPS/RESULTS					
ST EP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PAS S /FAIL	CO MM ENT
Create a Survey					
1.	Admin clicks on 'Add new survey' button	Website navigates admin to the survey creation page	The admin will be directed to a new survey page	Pas s	
2.	Admin fills in survey title and survey description then click on 'confirm' button	Website displays the question prompt	Pop up window will appear to fill in the survey title and description	Pas s	
3.	Admin inputs the survey section and clicks 'Save'	Website displays the section with its corresponding information	Pop up message Update Survey Successfully!	Pas s	
4.	Admin clicks on ' + ' sign to add new questions and clicks on 'confirm' button	Admin will fill in the questions ID , question description and chose the appropriate question type.	Website display all questions inserted	Pas s	
5.	Admin repeats step 2 and 3 until he is done	Website shows added new sections with their questions	All the added sections and their questions will be displayed	Pas s	
Alternative Flow 1: Edit a Survey					
1.	Admin clicks Edit Survey	The website navigates admin to the current list of surveys	list of existing surveys will be displayed	Pas s	
2.	Admin selects a survey	The website displays the survey creation page with all the questions of the survey selected	The information for the selected survey will be displayed	Pas s	
3.	Admin clicks 'Edit Survey' button	The website navigates admin to the selected survey to be updated	The admin Edit the selected survey will by adding new sections or questions then clicks on save button	Pas s	
4.	Admin clicks save button	The website updates the database with the new survey questions and admin is taken to the admin home page	The admin is taken to the admin home page and the new changes will be displayed	Pas s	

US4.5

USER STORY US4.5: Edit Action Plan

Purpose: To be able to edit action plans	
Test Run Information:	Prerequisites for this test: Admin is logged in
Tester Name:	Haobei Ma
Date(s) of Test:	28 Oct 2020
NOTES and RESULTS:	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COMMENT
Admin Edit Action Plan					
1.	Admin clicks the 'Edit Action Plan' button	The website displays a list of action plans	A list of action plans is displayed	Pass ✓	
2.	Admin selects the action plan that is being edited	The action plan creation page is displayed with the details of the selected action plan	The action plan's editable fields are displayed	Pass ✓	
3.	Admin updates the editable fields	The website dynamically updates the fields. However, it is not saved in the database.	The website remains the same with the new details	Pass ✓	
4.	Admin clicks update	The website pops up a confirmation message	Admin receives a popup to confirm the changes	Pass ✓	
5.	Admin clicks confirm	The website updates the database and admin is taken to the admin home page.	Admin is taken to the home page with the updated details	Pass ✓	

US4.6

USER STORY US4.6: Configure Messages

Purpose: Admin is able to configure messages that appear at the end of surveys	
Test Run Information:	Prerequisites for this test: An admin account exists
Tester Name:	Haobei Ma
Date(s) of Test:	27 Oct 2020
NOTES and RESULTS:	

TEST SCRIPT STEPS/RESULTS					
STEP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS/FAIL	COMMENT
Admin Logs In					
1.	Admin clicks the 'edit message' button	The website navigates the admin to list of messages	Admin sees a list of messages	Pass	
2.	Admin selects the message that is being edited	The message creation page is displayed with the details of the message	Admin is able to edit the message	Pass	
3.	Admin updates the editable fields	The website dynamically updates the fields. However, it is not saved in the database.	Admin changes the editable fields	Pass	
4.	Admin clicks update	The website pops up a confirmation message	A popup asks admin to confirm the changes	Pass	
5.	Admin clicks confirm	The website updates the database and admin is taken to the admin home page.	Admin is taken to the home page with the updated numbers	Pass	

US4.7

USER STORY US4.7: Configure Get Help Message

Purpose: Admin is able to configure messages that appear at the end of surveys	
Test Run Information:	Prerequisites for this test: An admin account exists
Tester Name:	Haobei Ma
Date(s) of Test:	27 Oct 2020
NOTES and RESULTS:	

TEST SCRIPT STEPS/RESULTS					
ST EP	TEST STEP/INPUT	EXPECTED RESULTS	ACTUAL RESULTS	PASS /FAIL	COMM ENT
Admin Logs In					
1.	Admin clicks the 'edit get help message' button	The get help message is displayed and is editable	Website shows the editable get help message	Pass ✓	
2.	Admin updates the get help message	The website dynamically updates the fields. However, it is not saved in the database.	The message is changed and displayed on the site	Pass ✓	
3.	Admin clicks update	The website pops up a confirmation message	A confirmation message is displayed asking the admin to confirm the changes	Pass ✓	
4.	Admin clicks confirm	The website updates the database and admin is taken to the admin home page.	The get help is updated	Pass ✓	