

## 6. Software Testing:

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_A		Test Designed date:		
Test Priority: High		Test Executed by:		
Module Name: Registration		Test Execution date:		
Test title: User Registration				
Description: Allow users to register with their details.				
Precondition: The user must have a valid email address or phone number, a secure password, a valid username, and an appropriate profile picture.				
1. Test Steps: Open the app.	Test Data: Enter valid registration details (e.g., valid email, phone number, strong password).	Expected Results User registration should be successful.	Actual Results	Status (Pass/Fail)

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_B		Test Designed date:		
Test Priority: High		Test Executed by:		
Module Name: Login		Test Execution date:		
Test title: User Login				
Description: Allow users to log in using valid credentials.				
Precondition: The user must have a registered username and password.				
<b>Test Steps:</b> Enter the registered username and password > Click the "Login" button.	<b>Test Data:</b> Valid username and password.	<b>Expected Results</b> User should be redirected to the home page on successful login. Incorrect attempts should restrict login for 30 minutes after 3 failed attempts.	<b>Actual Results</b>	<b>Status</b> (Pass/Fail)

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_C		Test Designed date:		
Test Priority: High		Test Executed by:		
Module Name: Forget Password		Test Execution date:		
Test title: Password Recovery				
Description: Allow users to recover their password using their email or phone number.				
Precondition: The user must have registered with a valid email address or phone number.				
1. Test Steps: Navigate to the "Forget Password" page.>> Enter the email or phone number associated with the account. Click "Submit."	Test Data: Registered email or phone number.	Expected Results A password reset link should be sent to the email.>>>The new password should allow login after successful reset.	Actual Results	Status (Pass/Fail)

Project Name: Protect the precious		Test Designed by:		
Test Case: FD_D.1		Test Designed date:		
Test Priority: HIGH		Test Executed by:		
Module Name: Map		Test Execution date:		
Test title: Map searching				
Description: Test the searching ability of the map				
Precondition: must create a valid account and login with valid credentials and location is turned on				
Test Steps: 1. Go to home page. 2. Search for any place on the map 3. Click the search button	Test Data: Search Item: Queens, New York.	Expected Results: Show a dropped pin on Queens in the map	Actual Results:	Status (Pass/Fail):

Project Name: Protect the precious		Test Designed by:		
Test Case: FD_D.2		Test Designed date:		
Test Priority: HIGH		Test Executed by:		
Module Name: Map		Test Execution date:		
Test title: Map Direction				
Description: Test the direction giving ability of the map				
Precondition: must create a valid account and login with valid credentials and location is turned on				
Test Steps: 1. Go to home page. 2. Search for Direction to any place on the map 3. Click the search button	Test Data: Search Item: Queens, New York.	Expected Results:  Considering the red, yellow, green zone, show a safe and optimal path dropped pin on Queens in the map	Actual Results:	Status (Pass/Fail):

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_D.3		Test Designed date:		
Test Priority: HIGH		Test Executed by:		
Module Name: Map		Test Execution date:		
Test title: Map zone creation				
Description: Test the ability of the map to categorize it into red, yellow and green zones.				
Precondition: must create a valid account and login with valid credentials and location is turned on				
Test Steps: 1. Go to home page. 2. Check the map	Test Data: Nothing	Expected Results: Categorize into red, yellow and green zones	Actual Results:	Status (Pass/Fail):

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_E		Test Designed date:		
Test Priority: HIGH		Test Executed by:		
Module Name: LocationSharing		Test Execution date:		
Test title: Live location sharing				
Description: Test the ability to share real time locations of the children to the parent				
Precondition: must create a valid account and login with valid credentials and location is turned on in children's end				
Test Steps: 1. Go to parents' home page. 2. Check the map 3. Look for the live location of the child	Test Data:	Expected Results:  Show a real time location of the child	Actual Results:	Status (Pass/Fail):

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_F		Test Designed date:		
Test Priority: HIGH		Test Executed by:		
Module Name: Protection Query		Test Execution date:		
Test title: Automated protection query				
Description: Test the ability of the system to detect danger and activate automated protection system				
Precondition: must create a valid account and login with valid credentials and location is turned on				
Test Steps: 1. Go to home page. 2. While the location is on go to some place which is under red zone.	Test Data:	Expected Results:  Activate the automated protection system	Actual Results:	Status (Pass/Fail):

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_G		Test Designed date:		
Test Priority: HIGH		Test Executed by:		
Module Name: Emergency System		Test Execution date:		
Test title: Automatic calling and notifications				
Description: Test the searching ability of the map				
Precondition: must create a valid account and login with valid credentials and location is turned on				
Test Steps: 1. Go to home page. 2. Activate emergency system.	Test Data:	Expected Results: Contact the respected parent of a specific user while in emergency mode,	Actual Results:	Status (Pass/Fail):
Project Name: Protect the precious		Test Designed by:		
Test Case: FR_H		Test Designed date:		
Test Priority: Medium		Test Executed by:		
Module Name:		Test Execution date:		
Test title: Panic Button				
Description: Active by clicking on screen button				
Precondition: The user must create a valid account and login with valid credentials and the location is turned on also they had set up proper emergency contracts.				
Test Steps: Home > tap Panic button (right side)	Test Data: click and check if it activates the automatic Protection system.	Expected Results Automated protection System  will active.	Actual Results	Status (Pass/Fail)

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_I		Test Designed date:		
Test Priority: High		Test Executed by:		
Module Name:		Test Execution date:		
Test title: Emergency Contact				
Description: user will add 5 Contact for emergency				
Precondition: The user must create a valid account and login with valid credentials.				
<b>Test Steps:</b> Home > Click on side bar on left > emergency contact	<b>Test Data:</b> Nothing	<b>Expected Results</b> After Activating the Automated Protection system the system will start contacting emergency contacts.	<b>Actual Results</b>	<b>Status</b> (Pass/Fail)

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_J (1)		Test Designed date:		
Test Priority: Medium		Test Executed by:		
Module Name:		Test Execution date:		
Test title: Profile page				
Description: User can edit their Information.				
Precondition: The user must create a valid account and login with valid credentials.				
<b>Test Steps:</b> Home > Side bar button (left side) > profile > edit.	<b>Test Data:</b> click and edit some info (Contact, DOB, Address etc.)	<b>Expected Results</b> Can edit information's.	<b>Actual Results</b>	<b>Status</b> (Pass/Fail)

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_J (2)		Test Designed date:		
Test Priority: Medium		Test Executed by:		
Module Name:		Test Execution date:		
Test title: Profile page				
Description: User can See their Information.				
Precondition: The user must create a valid account and login with valid credentials.				
<b>Test Steps:</b> Home > Side bar button (left side) > profile.	<b>Test Data:</b> check All Information.	<b>Expected Results:</b> User Can see their All info here.	<b>Actual Results</b>	<b>Status</b> (Pass/Fail)

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_K		Test Designed date:		
Test Priority: High		Test Executed by:		
Module Name:		Test Execution date:		
Test title: Daily destinations				
Description: User can set their all Destinations They want to visit beforehand Leaving their home.				
Precondition: The user must create a valid account and login with valid credentials and location is turned on				
Test Steps: Home > Set daily Destinations	Test Data: Set locations  where user wants to visit.	Expected Results:  User will see map suggestion for his/her destination.	Actual Results	Status (Pass/Fail)

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_L		Test Designed date:		
Test Priority: Medium		Test Executed by:		
Module Name: Child Monitoring		Test Execution date:		
Test title: Monitor Child Activities				
Description: Track browsing history, screen usage, and provide alerts				
Precondition: Parent account must be connected to child account..				
1. <b>Test Steps:</b> Connect parent and child accounts. 2. Access browsing history.	<b>Test Data:</b> Browsing activity and restricted website URL.	<b>Expected Results</b> Browsing history is displayed, and alerts are sent for restricted website attempts.	<b>Actual Results</b>	<b>Status</b> (Pass/Fail)

Project Name: Protect the precious		Test Designed by:		
Test Case: FR_M		Test Designed date:		
Test Priority: High		Test Executed by:		
Module Name: Live Video C Audio		Test Execution date:		
Test title: Stream Live Video and Audio				
Description: Allow parents to remotely access live video and audio streams of their child.				
Precondition: Parent account must be connected to child account.				
1. <b>Test Steps:</b> Start live video and audio streaming. 2. Verify video and audio clarity.	<b>Test Data:</b> Video and audio stream request	<b>Expected Results</b> The live stream is clear and restricted to authorized individuals.	<b>Actual Results</b>	<b>Status</b> (Pass/Fail)



Project Name: Protect the precious		Test Designed by:		
Test Case: FR_N		Test Designed date:		
Test Priority: High		Test Executed by:		
Module Name: Restricting Usage		Test Execution date:		
Test title: Set Usage Restrictions				
Description: Restrict access to specific websites, apps, or phone usage time.				
Precondition: Parent account must be connected to child account.				
1. Test Steps:  Set a restriction on a website.  2. Attempt to access the restricted website.  .	Test Data: Restricted website URL.	Expected Results  Access to the restricted website is blocked, and a notification is sent to the parent	Actual Results	Status (Pass/Fail)