Testing and Debugging Requirements

Run Functional test to check if the App meets its purpose

1. App's performance for designated and non-designated tasks
   All forwarding links to self help options work in the following browsers;
   Safari, Chrome, Internet Explorer and Firefox.
   - A new animation starts each time the user presses "Start" in "Breathing Exercise"
     - The start/stop button behaviour should solve this
       - On start press: change button to stop, start animation
       - On stop press: change button to start, stop animation
   - List of goals in Goals -> My Goals appears vertically above background image

   Can be done after testing - ask User's to answer this question the data.
   See surveys for more indepth result

2. Compatibility in different devices, screen size, resolutions, OS and browsers.
   No issues with running on simulation Iphone 6,7, & 8
   No issues on physical phones 6s, 8 plus

3. Integration with other services like location/GPS, Wi-Fi, and social media
   The application does not directly connect to GPS or Wifi, only services that require internet connection are links to websites and links to contact us via email and facebook. The only social media connection is to facebook, and this is fully functional.

   Keynote: Connection to self help should be fixed, so immediate help can be found.

4. Functioning of redirect options
   All forwarding links to self help options work in the following browsers;
   Safari, Chrome, Internet Explorer and Firefox.
   A Stress test was done, and only minimal speed reduction when opening the same link on multiple browser. This could be due to how the link itself is set up.

5. Application consistency in its desktop version
   There is no desktop version as this is a mobile application.

6. Adequate prevention from performing undesired actions
   The software relies on the User having adequate virus protection software. There is no inbuilt functionality to keep User's data safe / hidden.
   - textboxes are scrollable and editable in Goals -> "What is a Goal?"
     - Making non-editable may fix?
   - Goals lists/screens can be over-scrolled vertically, causing the background image to be scrolled past
     - Consider making background image static/non-scrolling

Keynote: Possibility to add user ability to log in and log out to save private data.

Run Usability tests to ensure customers' comfort in your app

1. Responsiveness of the App Logo and Name when clicking the Application Manager
   Users have complained about load time being slow.

2. Receiving visual feedback for user actions in the application within 3 seconds max.
   Could always be faster, but no Users / testers have complained about time to react to their input on movements.

3. Functionality of the exit options at any point of running the application
   Pressing the home button is allowed at any point.
   All back, forwards and cancel buttons are working.

4. Keep away unmapped keys in your Application
   All standard keys work for the application, including the enter key when entering text.
   Return does nothing on "Diary" -> New Entry textbox

5. Easy Navigation across different screens
   No User's / testers have complained about movement across are accessible screens.

Boost the Look and Feel of the application with UI Testing

1. Interface changes with change in screen orientation
   Could always be faster, but no Users / testers have complained about time to rotate.

2. Clarity and Readability of application buttons
   All buttons in the application are made in way to target the User. The buttons are clear and with a neutral colour so as not to stress out the User. All key text is readable. The home screen buttons are designed so that the User knows what they're going into. For example the Diary Function looks like a diary.

3. Responsiveness of drop down lists
   Due to the development of the app, there are no drop down boxes, as the User's requirements due to their social anxiety is to reduce option choices, as to not cause the user stress.

4. Minimizing user actions by enabling them directly pick their choice from the screen
   Due to the development of the app, the User's requirements due to their social anxiety is to reduce option choices, as to not cause the user stress. For example the only application with moderate choices is the relaxing photo functionality. Even then the User is in control the whole time.

5. Prompt display of errors and warning messages
Stress testing was done. The only error message that was received, was on an iPhone 6s, and this was due to full memory space. This popped up whilst the app was running.

6. Distinguishing the inactive buttons from active buttons
There are no current inactive buttons. All buttons and features are fully active.

7. Font options, zoom-in and out and legibility of app display
There is no current ability to change font to the users preference. The User can zoom in and out to read text in the Diary function and Goal section.

   Keynote: Possibility to add user ability to choose their required font.

Test if your App performs well in the background
1. Making/Receiving voice calls while the app is running.
No issues, the app doesn't slow down the ability to make or receive phone calls.

2. Rejecting calls while viewing the application
No issues, the app doesn't slow down the ability to reject phone calls.

3. Resuming App from the same point as left at the time of switching to another app
No issues, the app doesn't go back to a default home screen when exiting

4. Sending/Receiving messages and alerts while the app is running
No issues, the app doesn't block notifications or hinder the ability to send or receive message

5. Time taken to launch the application
Could always be faster, but no Users / testers have complained about load time.

6. Application performance at times of peak load conditions and continual keypad entry
No major issues or concerns with the data entry fields when it comes to Journal Entry/ Goal entry.

7. Application performance in low device battery and charging conditions
There is no functionality or ability to slow down device or alter speed during low device battery or charging conditions

8. Deploy Live Monitoring Services to keep the app's computing power on check
There is no functionality or ability to deploy live monitoring services.

9. Integration with the device and other applications without hampering performance.

There are no issues with accessing/hampering performance. The only other application the app accesses is the photo library. The only time performance is hindered is when there is little storage space on the user's personal device..

10. Application install/uninstall successfully within the desired timeframe
Could always be faster, but no User's / testers have complained about load time.

11. Application performance when the Network is back in action
No notifications are in place for this.

Security and Data Privacy for Authenticated App usage
1. Customers' Payment data security
This is not a required function, as there is no payment requirements.

2. Network protocols security for running applications
The software relies on the User having adequate virus protection software. There is no inbuilt functionality to keep User's data safe / hidden.

3. Breach in applications' security and error reporting
The software relies on the User having adequate virus protection software. There is no inbuilt functionality to keep User's data safe / hidden.

4. Authenticating application certificates and permissions
The correct certificates and permission are available and clearly displayed to the User. The only time any request comes up, is if the User wishes to view a photo from their own phone, for the relaxing image section. This has been implemented correctly.

Key		Type	Value	
▼ Information Property List		Dictionary	(17 items)	
Localization native development re...	⌃	String	$(DEVELOPMENT_LANGUAGE)	⌃
Bundle display name	⌃	String	Social Anxiety App	
Executable file	⌃	String	$(EXECUTABLE_NAME)	
Bundle identifier	⌃	String	$(PRODUCT_BUNDLE_IDENTIFIER)	
InfoDictionary version	⌃	String	6.0	
Bundle name	⌃	String	$(PRODUCT_NAME)	
Bundle OS Type code	⌃	String	APPL	
Bundle versions string, short	⌃	String	1.0	
Bundle version	⌃	String	1	
Application requires iPhone enviro...	⌃	Boolean	YES	⌃
Launch screen interface file base...	⌃	String	LaunchScreen	
Main storyboard file base name	⌃	String	Main	
Privacy - Photo Library Usage Des...	⌃	String	Access to library is required.	
▶ Required device capabilities	⌃	Array	(1 item)	
▶ Supported interface orientations	⌃	Array	(3 items)	
▶ Supported interface orientations (i...	⌃	Array	(4 items)	
▶ App Transport Security Settings	⌃	Dictionary	(1 item)	

5. Automatic Application lock out upon continuously entering invalid.
This is not a required function, as there is no log in for the User.

Keynote: Possibility to add user ability to log in and log out to save private data.