**Testing**

**Testing stage – First prototype**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test ID** | **Test Type** | **Test Date** | **Expected Outcome** | **Actual Outcome** | **Test Status** | **Evidence** | **Fix implementation** | **Fix Status** |
| WB2.1 | White box | 1/04/22 | Messages aligned to left or right side of viewport depending on whether from self or friend user | Messages correctly aligned to left or right side of viewport depending on whether from self or friend user | Pass | Video | Used "margin-left: auto;" in CSS (Stackoverflow, 2022) | True |
| WB2.2 | White box | 1/04/22 | isOnline state updated in Firestore database to reflect in real-time if user is signed in/out | isOnline state correctly updated in Firestore database to reflect in real-time if user is signed in/out | Pass | Video | N/A | True |
| WB2.3 | White box | 1/04/22 | User online/offline indicator UI updated correctly for appropriate user in user panel | User online/offline indicator UI updated correctly for appropriate user in user panel | Pass | Video | N/A | True |
| WB2.4 | White box | 1/04/22 | Favicon loads and displays in browser tab | Favicon loads and displays in browser tab | Pass | Screenshot | N/A | True |
| WB2.5 | White box | 1/04/22 | Loading icon shows on submit and reload | Loading icon shows on submit and reload, but not centrally positioned | Pass  (Needs modification) | Video | Carried over to First Deployment testing – Test WB3.18 | False |
| WB2.6 | White box | 1/04/22 | Avatar image updated upon file selection in profile and user panel UI | Avatar image successfully updated upon file selection in profile and user panel UI | Pass | Video | N/A | True |
| WB2.7 | White box | 1/04/22 | Avatar path and URL values programmatically added to Firestore database 'user' doc | Avatar path and URL values successfully programmatically added to Firestore database 'user' doc | Pass | Screenshot | N/A | True |
| WB2.8 | White box | 1/04/22 | Avatar path and URL values in Firestore database 'user' doc updated when user changes avatar | Avatar path and URL values in Firestore database 'user' doc updated when user changes avatar | Pass | Video | N/A | True |
| WB2.9 | White box | 10/04/22 | Profile UI updated dynamically with username, email and timestamp from Firestore database 'user' doc fields | Profile UI successfully updated dynamically with username, email and timestamp from Firestore database 'user' doc fields | Pass | Screenshots | N/A | True |
| WB2.10 | White box | 10/04/22 | Old avatar file deleted from Firebase storage when user updates avatar and replaced with new avatar file | Old avatar file successfully deleted from Firebase storage when user updates avatar and replaced with new avatar file | Pass | Video | N/A | True |
| WB2.11 | White box | 10/04/22 | Default fallback avatar set as user avatar if user deletes their custom avatar | Default fallback avatar successfully set as user avatar if user deletes their custom avatar | Pass | Video | N/A | True |
| WB2.12 | White box | 10/04/22 | Avatar deleted from Firebase storage upon avatar deletion and doc values updated to empty strings | Avatar successfully deleted from Firebase storage upon avatar deletion and doc values updated to empty strings | Pass | Video | N/A | True |
| WB2.13 | White box | 11/04/22 | Delete icon shouldn't appear on profile screen if no custom avatar set | Delete icon doesn't appear on profile screen if no custom avatar set | Pass | Screenshot | N/A | True |
| WB2.14 | White box | 11/04/22 | Image upload button in messaging panel opens file chooser window | Image upload button in messaging panel successfully opens file chooser window | Pass | Video | N/A | True |
| WB2.15 | White box | 11/04/22 | Media field programmatically added to Firebase messages collection | Media field successfully programmatically added to Firebase messages collection | Pass | Screenshot | N/A | True |
| WB2.16 | White box | 11/04/22 | Uploaded media added to Firebase Storage in images folder | Uploaded media successfully added to Firebase Storage in images folder | Pass |  | N/A | True |
| WB2.17 | White box | 11/04/22 | Message timestamp added to message and formatted with Moment – using how long ago rather than default date timestamp | Message timestamp successfully added to each message and formatted with React-Moment | Pass |  | N/A | True |
| WB2.18 | White box | 11/04/22 | Chat auto scrolls to bottom to show latest message | Chat successfully auto scrolls to bottom to show latest message | Pass |  | N/A | True |
| WB2.19 | White box | 12/04/22 | 'lastMessage' collection programmatically created in Firestore | 'lastMessage' collection programmatically created in Firestore | Pass |  | N/A | True |
| WB2.20 | White box | 12/04/22 | 'lastMessage' doc gets replaced with last message sent, rather than added to - id should be same | 'lastMessage' doc is replaced with last message sent, rather than added to and id remains the same | Pass |  | N/A | True |
| WB2.21 | White box | 12/04/22 | User styles get applied to selected user (highlights selected user) - dynamic classes work correctly | Selected user in user panel highlighted dynamically – styling targeted corrected using dynamic classes | Pass |  | N/A | True |
| WB2.22 | White box | 12/04/22 | Last message shows next to users | Last message shows next to users' avatar in user panel | Pass |  | N/A | True |
| WB2.23 | White box | 12/04/22 | Unread message icon shows when user receives unread messages | Unseen icon appears in user panel next to appropriate user when unread messages have been received | Pass |  | N/A | True |
| WB2.24 | White box | 12/04/22 | Last message preview gets truncated if too long | Last message preview successfully truncated if too long | Pass |  | N/A | True |
| WB2.25 | White box | 12/04/22 | 'Me' prepended to last message preview if message was from self rather than friend user | 'Me' successfully prepended to last message preview to indicate whether from self or peer user | Pass |  | N/A | True |
| WB2.26 | White box | 12/04/22 | Unread notification is removed in real time when read by user | Unread notification successfully removes when read by user in real time | Pass |  | N/A | True |
| WB2.27 | White box | 12/04/22 | Fontawesome icons render properly across components | Error importing icons from Fontawesome – couldn't resolve icon name | Fail | Screenshot | Used error message icon name suggestions – needed to use camelCase icon name | True |
| WB2.28 | White box | 12/04/22 | Scroll bar shows when users "overflow" component | Scroll bar successfully shows in user panel when users overflow component | Pass |  | N/A | True |
| WB2.29 | White box |  | Error message shows if fields not filled in on sign in form submit | Error message shows if fields not filled in on sign in form submit | Fail | Video | Tested with use of "required" attribute in input field instead, however, as is not a functional or major UX issue, will leave as a future iteration fix | True |
| WB2.30 | White box |  | Error message shows if fields not filled in on sign in form submit | Error message shows if fields not filled in on sign in form submit | Fail | Video | Tested with use of "required" attribute in input field instead, however, as is not a functional or major UX issue, will leave as a future iteration fix | True |
| WB2.31 | White box |  | Email and password input fields cleared after user Firebase sign up submit | Email and password input fields not cleared after user Firebase sign up submit | Fail |  | Low priority with negligible effect on UX or performance – leave as is | Pass |
| UT2.1 | User | 14/04/22 | User testing feedback returns no bugs | More contrast needed when hovering over profile avatar to see upload and delete buttons properly | Fail |  | Reduced opacity of icons by 20% | True |
| UT2.2 | User | 14/04/22 | User testing feedback returns no bugs | Message input too small - needs to expand to message size | Fail |  | Carried over to First Deployment testing – Test WB3.19 | False |
| UT2.3 | User | 14/04/22 | User testing feedback returns no bugs | Not enough margin on message bubbles - too close to edge of viewport | Fail |  | Added 10px margin for mobile viewports and 20px margin for desktop viewports | True |
| UT2.4 | User | 14/04/22 | User testing feedback returns no bugs | Able to send empty messages | Fail |  | Added "required" attribute to input element | True |
| UT2.5 | User | 14/04/22 | User testing feedback returns no bugs | Image message sizes too large in message panel | Fail |  | Reduced image container sizes to max-width of 50% of viewport for desktop and 75% for mobile | True |

<https://stackoverflow.com/questions/7693224/how-do-i-right-align-div-elements>

User testing - UI, functionality. Usability - effectiveness,