

Sprint 2 Design Inspection, Code Inspection and Unit Testing

Team 8

Team Members: David Carr, Shivan Desai, Reid Kippenbrock, Laura Kristie, Paul Krivacka

Design Inspection Defects

Product: Notification Module

Date: 3/1/19

Author: Team 8

Moderator: Paul Krivacka

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Paul Krivacka

Defect Number	Description	Severity	How Corrected
001	If multiple tabs are open, and one tab views a notification, the other tabs still show the notification	3	Set up a socket.io event for viewing events, and send a message to the server which sends it to all of the client tabs that the notification has been viewed.

Product: Liking/Disliking/Reporting Users

Date: 3/1/19

Author: Team 8

Moderator: David Carr

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Reid Kippenbrock

Defect Number	Description	Severity	How Corrected
1	Liking a user that has already disliked you	2	Remove the user from the other's

	will not work since you are removed from their potential matches.		potential matches as well when someone is disliked.
2	Users can be liked that aren't in your potential matches if the user knows the username.	2	Add a check to make sure that the user is in the list of potential matches.

Product: Questionnaire Module Editing

Date: 3/1/19

Author: Team 8

Moderator: David Carr

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	The questionnaire data should be with username into the database before they have taken the questionnaire.	3	Add code to when a new user is created to add the user to the database.
002	When the questionnaires are edited the user's picture information is over-written.	2	Change the location of where the pictures are saved.

Product: Profile Picture Upload

Date: 3/1/19

Author: Team 8

Moderator: Shivan Desai

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	Default Pictures are loaded to user's interest pictures if user hasn't created taken the questionnaires.	3	Move initialize user information to be created to in the code where an user is created.
002	When the questionnaires are edited the user's profile picture information is over-written.	2	Change the location of where the profile picture a is saved.

Product: User Interest Pictures Upload

Date: 3/1/19

Author: Team 8

Moderator: Shivan Desai

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	Default Pictures aren't loaded to user's interest pictures if user hasn't created taken the questionnaires.	3	Move initialize user information to be created to in the code where an user is created.
002	When the questionnaires are edited the user's interest pictures information is over-written.	2	Change the location of where the interest pictures a is saved.

Product: User Account Authentication

Date: 3/1/19

Author: Team 8

Moderator: Reid Kippenbrock

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: David Carr

Defect Number	Description	Severity	How Corrected
001	Multiple React components make calls to Firebase's API to check if a user is logged in	2	The main App component now has a login state that is passed to all components as props.
002	Every time a page is loaded we call Firebase to check if a user is logged in	2	If a user is authenticated by Firebase's API, we store the User Authentication and the User Profile data in local storage. Now when a page loads, we check local storage before resorting to calling firebase.
003	Users are not logged in can access pages that require user authentication	1	React Router now redirects to the home page when an unauthenticated user loads a page requiring authentication

Code Inspection Defects

Product: Hε>Ilo World Notification Code Inspection Defects

Date: 3/3/19

Author: Team 8

Moderator: Paul Krivacka

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Paul Krivacka

Defect Number	Description	Severity	How Corrected
001	The client creates two sockets in rapid	3	Reinstall the node modules to remove

	succession every time they load a page, instead of the usual one.		the broken files.
002	There may be a slight memory leak on the server every time the user opens a new page	3	Correctly free the JSON/arrays when the socket is closed and ensure that the objects can be garbage collected.

Product: Likes/Dislikes/Reporting Module

Date: 3/1/19

Author: Team 8

Moderator: David Carr

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Reid Kippenbrock

Defect Number	Description	Severity	How Corrected
1	mainUserPot could be undefined in for(var i = 0; i < mainUserPot.length; i++){	2	Add check that mainUserPot is not empty.
2	Liked users list of likedUsers could be empty in for(var i = 0; i < likedUsersLiked.length; i++){	2	Add check that likedUsersLiked is not empty.
3	Same as defect 1 but for dislikeUser	2	Add check that mainUserPot is not empty.

Product: Matches Module

Date: 3/1/19

Author: Team 8

Moderator: Reid Kippenbrock

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: David Carr

Defect Number	Description	Severity	How Corrected
1	mainUsersMatches could be empty in for(var i = 0; i < mainUserMatches.length; i++){	2	Add check that mainUsersMatches is not empty.

Product: Editing the Questionnaires Module

Date: 3/3/19

Author: Team 8

Moderator: Laura Kristie

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	The button for saving the questionnaires appears without a label as submit or save.	3	Adjust the code for the determining the label to have the default of "submit".

Product: Profile Picture Module

Date: 3/1/19

Author: Team 8

Moderator: Shivan Desai

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Laura

Defect Number	Description	Severity	How Corrected
001	Doesn't check if upload is a jpeg or png file type.	2	Add code for checking if upload is and invalid file type.

Product: User Interest Pictures Module

Date: 3/1/19

Author: Team 8

Moderator: Shivan Desai

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Laura

Defect Number	Description	Severity	How Corrected
001	When a picture is uploaded, the same modal uploads for three different picture components. This causes all the pictures to be the same.	2	Make the id for the modal dynamic depending on the name provide when initializing a Picture component.

Product: User Authentication Module

Date: 3/3/19

Author: Team 8

Moderator: Reid Kippenbrock

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Laura

Defect Number	Description	Severity	How Corrected
001	Upon the initial loading of the site, we do not know whether a user is logged in since we are waiting for either Firebase's API call to return or for user data to be loaded locally. This results in webpages 'flickering' from being in a logged in state, to eventually reloading to the correct state	2	The App component does not render any main pages until we have identified if a user is authenticated or not. Instead, a loading page is rendered. Once we have identified the current login state for the current user, the page loads normally.

Product: Client Module

Date: 3/3/19

Author: Team 8

Moderator: Reid Kippenbrock

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock
Recorder: Reid Kippenbrock

Defect Number	Description	Severity	How Corrected
001	Browser Console Printing Warning Messages for improperly formatted code/ unused variables	3	Unused variables were commented out and most instances where '==' was used was changed to '==='

Testing Defect Log

Product: Liking/Disliking/Reporting Test Cases
Date: 3/1/19
Author: David Carr

Defect Number	Description	Severity	How Corrected
001	Liking/Disliking a user does not remove them from the potential matches page until the page is refreshed	2	Return the new potential matches list when a request is made to like/dislike.

Product: Notification Test Cases
Date: 3/1/19
Author: Paul Krivacka

Defect Number	Description	Severity	How Corrected
001	Clearing the notifications in one tab does not percolate to the other tabs until they refresh the page	3	Put a loop in the navbar that checks for a notification count update

Product: Editing the Questionnaire Unit Tests

Date: 2/8/19

Author: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	When user clicks button to edit personality questionnaire, the questionnaire isn't loaded.	1	Change the redirection code.

Product: Profile Picture Module

Date:2/28/19

Author: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	When a new user is created default isn't loaded.	2	Add temp url in the db when user takes the personality questionnaire for the first time.
002	User isn't alerted for an invalid file type upload.	2	Create a function to check the file type uploaded is correct.

Product: User Interest Picture Module

Date:2/28/19

Author: Laura Kristie

Defect Number	Description	Severity	How Corrected
001	Pictures appears on the front after upload but aren't saved in the backend. They don't appear after a page is reloaded.	1	Adjust the code for how it is being saved in the backend.
002	User isn't alerted for an invalid file type upload.	2	Create a function to check the file type uploaded is correct.

Product: Matches Page

Date: 3/3/19

Author: Reid Kippenbrock

Defect Number	Description	Severity	How Corrected
001	If there are no matches for a user, the page shows the loading screen	3	Added a check for if the returned matches list is empty, if it is, show text prompting the user to go to the matching page

Product: Webpage Navigation

Date: 3/3/19

Author: Reid Kippenbrock

Defect Number	Description	Severity	How Corrected
001	A new user that has not completed the personality questionnaires can access pages that require completion of the questionnaires	2	Added a boolean statement that checks: A)If there is uData B)if uData.PQ is complete & if uData.CQ is complete

Product: Client/Server Communication Module

Date: 3/3/19

Author: Reid Kippenbrock

Defect Number	Description	Severity	How Corrected
001	Server is not reading POST requests from the client correctly	1	Installed a json body parser: 'npm i body-parser' that handles interpreting POST requests

Product: Matching Module

Date: 3/3/19

Author: Reid Kippenbrock

Defect Number	Description	Severity	How Corrected
---------------	-------------	----------	---------------

001	The UserData property is being loaded on the Matching page before it is set, resulting in a failed initial fetch for matching users	2	The App component was rendering child components before the authentication check was complete. Added a boolean for setting whether authentication is complete.
-----	---	---	--

Product: Chatting module

Date: 3/3/19

Author: Team 8

Moderator: Shivan Desai

Inspectors: David Carr, Laura Kristie, Paul Krivacka, Shivan Desai, Reid Kippenbrock

Recorder: Shivan Desai

Defect Number	Description	Severity	How Corrected
001	Once a user sends a message to another user, the other user's app doesn't update the messages right away.	2	The chat component was set up in a way where it checked for updates each time a user opened the chat page. That function was edited to check for any real time changes in the firebase database, and update the page every time a message is sent.
002	The text box doesn't clear the text once a message is sent. We need to clear text after sending each message	1	Added code to clear the text box each time the user clicks on 'send'
003	The messages are displayed in reverse, with the oldest message appearing	2	Changed the code to reverse the messages buffer after pulling from the

	at the bottom rather than the top		database.
004	The app allowed the user to send messages to any user regardless of match status	2	Added code to check if the other user's UID exists in matches table for the user before initiating chat.