

Product Name: Indecisive Decider

Team Name: RNGesus

11/29/2021

System and Unit Test Report

Sprint 1:

User Stories:

- A. As a Developer, I want code to be able to create user accounts, so that the user will not lose the decisions results and to enable social functions.
- B. As a clueless backend person, I want to learn the database language so that I can help contribute to the user database.

Scenarios:

1. Register a new account, typing in name, email and password
 - a. Name = <Richard Jullig>
 - b. Email = <RichJull@gmail.com>
 - c. Password = <Fakepass1_>
 - d. Click Register
 - e. User is then taken to the "Sign In" Page
 - f. Input
 - i. Email = <RichJull@gmail.com>
 - ii. Password = <Fakepass1_> and click Sign in Button
 - g. Taken to the homepage, the account is saved into the database.
2. Type anything into the text box in order to create and save a list.
 - a. Type in <Today, Tomorrow, Yesterday> in the textbox
 - b. Click save preset.
3. Type a name to save the list
 - a. List name = <When Should I Do It?>
 - b. Click save
 - c. Now there should be a user account named Richard Jullig that has a preset saved in the database called When Should I Do It?.

Sprint 2:

User Stories:

- A. As an indecisive person, I want to leave certain decisions up to chance, so I don't have to stress over making the right decision.
- B. As a choosy person, I want to create a lot of different standard presets so that people have different ways of deciding what they want for their occasion.

- C. As a user I want to be able to have custom lists that will be used to randomly select from, so I can decide more specific things that there aren't presets for.
- D. As an impatient person, I want to be able to skip animations, so I don't have to wait for a long animation to finish to see my results.

Scenarios:

1. Test the RNG decisions
 - 1.1. Sign into testing user account
 - 1.1.1. Email: dev@gmail.com
 - 1.1.2. Password: Developer1_
 - 1.2. Click the "Test" default preset button at least 20 times.
 - 1.3. Verify that the following outputs appear at least once in the result box:
 - 1.3.1. "gefoujge"
 - 1.3.2. "ppoeertjfw"
 - 1.3.3. "Xzcmfpiodj"
2. Test that default presets show up
 - 2.1. Sign into testing user account
 - 2.1.1. Email: dev@gmail.com
 - 2.1.2. Password: Developer1_
 - 2.2. Verify that the following default presets appear on the home screen:
 - 2.2.1. "Bread"
 - 2.2.2. "Test"
 - 2.2.3. "Colors"
 - 2.2.4. "Letters"
3. Test that custom lists are working
 - 3.1. Sign into testing user account
 - 3.1.1. Email: dev@gmail.com
 - 3.1.2. Password: Developer1_
 - 3.2. On the home screen type "one, two, three, four" in the main text box
 - 3.3. Press the "submit" button at least 10 times
 - 3.4. Verify that "one" "two" "three" and "four" all show up.
4. Test for skipping animations
 - 4.1. Sign into testing user account
 - 4.1.1. Email: dev@gmail.com
 - 4.1.2. Password: Developer1_
 - 4.2. Check the "skip animations" toggle on the main screen
 - 4.3. Click the "bread" preset
 - 4.4. Verify that no animations pop up and the decision is printed directly in the result box

Sprint 3:

User Stories:

- A. As a bored person, I want to watch satisfying animations so I get a release of dopamine
- B. As a user, I want to hear audio with my animations so the animations have weight and feel to them.

Scenarios:

❖ User Story A:

- Log in to the website either by:
 - Register a new account by clicking the Register button inside of the SignIn form or the Register Tab in the Navigation Bar
 - <Name = TestDev >
 - <Email = TestDev@gmail.com >
 - <Password = TestDev1_>
 - Sign In to an account that already exists.
 - <Email = TestDev@gmail.com >
 - <Password = TestDev1_>
- Scroll Down to the text area in the middle of the page and make sure you have the “Toggle Animation” checkbox enabled since you want to see the animations.
- Click a preset card like “Bread” to start the animations.
 - A popup will appear with the animations and will enable you to choose from the 6 cards available and it will flip and show you your result.
 - You can click off the animation popup using the close icon.
 - Congratulations! You saw the animations.

❖ User Story B:

- Log in to the website either by:
 - Register a new account by clicking the Register button inside of the SignIn form or the Register Tab in the Navigation Bar
 - <Name = TestDev >
 - <Email = TestDev@gmail.com >
 - <Password = TestDev1_>
 - Sign In to an account that already exists.
 - <Email = TestDev@gmail.com >
 - <Password = TestDev1_>
- Scroll Down to the text area in the middle of the page and make sure you have the “Toggle Animation” checkbox enabled since you want to see the animations.
- Click a preset card like “Bread” to start the animations.
 - A popup will appear with the animations.
 - At this point the animation will be accompanied by the sounds that were added for the experience.
 - You can then click a card you want to reveal your result.
 - When the card is flipped, sound will also accompany the result.

- You can click off the animation popup using the close icon.
- Congratulations! You saw the animations accompanied by the sounds!

Sprint 4:

User Stories:

1. As a social user I want to be able to add and remove friends, so I can see what decisions have been made for them.
2. As a user I want to be able to modify my lists so that I don't have to recreate new lists when I need to make small changes.
3. As a social person, I want to be able to share decisions, so I can keep my friends and family informed.
4. As a person that loves Venmo, I want the ability to comment and give a custom message to the action that will be displayed to the public.
5. As a private user I want to be able to hide my activity because I don't like people knowing what I'm doing.
6. As a user, I want to be able to change my name or password settings so that I can update my account information.
7. As a user I want a profile picture so I can express myself.

Scenarios 1 Editing Custom Presets and Sharing to friends: (user stories 1, 2, 3)

1. Log in to the website:
 - Sign In to an account.
 - <Email = TestDev@gmail.com >
 - <Password = TestDev1_>
2. Test add and remove friends (draft, not final, need more details)
 - Click on "Friends"
 - Click on "Add Friends"
 - Search for the username of another account
 - Search: = <Richard Truelig>
 - Another account should appear in the results list
 - Send a friend request to the searched account
 - Press "Send Request"
 - Logout of current account
 - Login to the other account
 - <Email = TestDev2@gmail.com >
 - <Password = TestDev2_>
 - Go to the friend page and then click on "Pending Requests"

- Should see a friend request
- Accept the friend request by clicking the Accept button/or Decline
- Click Friends page and should show Richard Truelig
- Logout of the current account
- Login to the initial account
 - <Email = TestDev@gmail.com >
 - <Password = TestDev1_>
- Check the friends list
 - Click on “Friends”
- A new friend “Richard Truelig” should appear in the friends list

3. Test modify my lists

- Create a new preset list and save
 - Type “rock, paper, scissors” in the home page input box
 - Click “Save List”
 - In the pop-up dialog box, type “rock-paper-scissors game”
 - Click “Save”
 - A new preset should appear at the end of the preset box. This indicates that a new preset list has been saved.
- Modify the new preset just created
 - Add items
 - Click “Edit” in the preset box you just created
 - In the pop-up box, at the end of the list, type “, lizard, spock”
 - Click “Submit”
 - Click “Edit” again. If the popup box shows "rock, paper, scissors, lizard, spock", then the modified list has been saved successfully
 - Delete items
 - Click “Edit” in the preset box you just created
 - In the pop-up box, at the end of the list, delete “, lizard, spock”
 - Click “Submit”
 - Click “Edit” again. If the popup box shows "rock, paper, scissors", then the modified list has been saved successfully

Scenario 2 Sharing Results:

1. Log in to the website:
 - Sign In to an account.
 - <Email = TestDev@gmail.com >
 - <Password = TestDev1_>
 - Click “Submit”, the user is then redirected to the home page.
2. Get a Result from a Preset
 - On the home page, click on the preset at the bottom of the homepage called “Bread”
 - A pop up will appear with a deck of cards shuffled in.
 - Click one of the cards
 - The card will then isolate itself from the rest of the deck
 - Click on the card again
 - Card will flip to reveal your result <Sourdough>.
 - Close the animation popup by clicking the X icon on the right hand corner of the popup
 - A box with the user’s result will be displayed with the “Share Your Results” Button.
3. Click “Share Your Results”
 - The “Share Your Results” button will gray out.
 - Click the “Friends” button up in the Nav Bar
 - The Friends Page has a feed which should now display your message in the Feed
 - The user’s post should be the most recent item on the feed
4. Commenting on Friend’s results
 - User sees that a friend made a post earlier and wants to comment on the result.
 - Friend’s name is <BestBuddy>
 - On BestBuddy’s post click the comment icon on the bottom left of BestBuddy’s post.
 - The results in the feed should all expand to have a section to type in comments
 - Find BestBuddy’s post again and type in a comment
 - <Ha Ha Funny Choice!>
 - Then click the arrow beside the comment field to submit the comment.
 - Comment is now located underneath BestBuddy’s result inside of the feed.

Scenario 3 Changing User Settings:

1. As a user, I want to be able to change my name or password settings so that I can update my account information.
 - Log in to the website either by:

- Register a new account by clicking the Register button inside of the SignIn form or the Register Tab in the Navigation Bar
 - <Name = TestDev >
 - <Email = TestDev@gmail.com >
 - <Password = TestDev1_>
 - Sign In to an account that already exists.
 - <Email = Dev@gmail.com >
 - <Password = Developer1_>
 - Go to the “Settings” Tab in the navigation bar
 - You can click the “Name” text area to change your name, and the same with email.
 - <Name = BetaTester>
 - <Email = BetaTester[@gmail.com](mailto:BetaTester@gmail.com) >
 - Confirm the changes.
 - Sign out of your account and login using your new email address.
 - After you log in, your new name should appear in the Welcome Greetings!
 - Go back to the “Settings” page.
 - You can go to the password area of the settings to change your password
 - Write your old password into the “Old Password” area
 - <Old Password: TestDev1_>
 - Write your new password in the “New password” area and confirm it through the “Confirm Password”.
 - <New Password:BetaTester1_>
 - <Confirm Password: BetaTester1_>
 - Confirm the changes.
 - Sign Out and use your new password to login!
 - Congrats! You have successfully changed your name, email, and password!
2. As a user I want a profile picture so I can express myself.
- Log in to the website either by:
 - Register a new account by clicking the Register button inside of the SignIn form or the Register Tab in the Navigation Bar
 - <Name = TestDev >
 - <Email = TestDev@gmail.com >
 - <Password = TestDev1_>
 - Sign In to an account that already exists.
 - <Email = Dev@gmail.com >
 - <Password = Developer1_>
 - Go to the “Settings” Tab in the navigation bar
 - Go to the “Profile Picture” area and click the “UPLOAD IMAGE”

- Select an image of type JPEG/PNG/GIF
- Click OK on your selection.
- Go back to the home page and see your new profile picture!

Testing

A lot of backend testing was done through Swagger. These tests were tested through an application called swagger which lets us test our API endpoints without having to create a UI for it. We would test cases based on a 200 OK response or a bad request response based on the criteria and other edge cases. Most of the unit tests were backend because frontend was mostly web page design. There should be a file called testing within the github that has automated testing code.

Richard

RNG.js - Functional Testing, Integration Testing, Being able to call the function. Calling number boundaries and being able to create and get an item from the list. Tested being able to feed in a list and be able to spit out a random item from that list. Making sure it translated into the front end UI, and fixing a string error.

Account Controller.cs, Settings - Make sure the user is able to change name and email. Tested if the user wanted a new email or username by testing changing . Made sure it connected and worked with frontend API calling. Made sure to test if the User's new password did not match with the confirmed password. Tested to make sure the user was verified.

Mason

FeedController.cs - Made sure you could decide to share decisions only when you wanted to and only friends could see. Tested if friends or users can see each other's feed by being friends and testing on multiple accounts. Looked to see if comments were popping up on both user and friend accounts with correct time and comment. Tested the delete post on both user and friend accounts in order to see if posts were actually deleted from the feed.

Angel

FriendsController.cs - Tested with original account to see if the account was able to keep a connection with the friend account. Made sure that the user or friend was able to delete each other. Logged into user and friend accounts to verify if the friend request was sent successfully and appeared on the appropriate account. Tested for edge cases and returned bad requests for edge cases such as already being friends. Tested to

make sure declining friend requests and accepting friend requests worked for any user. Make sure that the user can delete a friend and that they stay deleted.

Nathan

PresetController.cs - Tested to make sure that the user submitted preset stayed on the backend database. Called API swagger calls in order to make sure that the new created presets were saved. Used Swagger in order to test if the user was able to edit that list, such as deleting or adding in new items to the preset. Tested if the preset will give a new random item each time it was called.

Qiance

UI - Tested the UI/design with different resolutions to see if the tables/buttons were cut off on a different resolution. Tried uploading new profile pictures and logging in and out. Clicking on presets to make sure that it properly gave out the correct results. Tested bugs if a user signed out and signed into another account.