"Add a Workout Page" (chooseExercise.dart and createCustomExercise.dart)

Component/Module	Description	Result
Create Button	Tested the functionality of the "create" button to make sure it redirected to the "Create a Custom Exercise", since it only had one role to redirect under any circumstance there were not many equivalence classes to check	Pass
Create a Custom Exercise Page	Tested functionality of the page to make sure that the user could enter an exercise name and body part and create the custom exercise that would show on the user's profile. The create page should ideally take in an Exercise Name and an optional Exercise Body Part. Tested both text boxes with different equivalence classes: empty text, numbers, special characters, letters, and the same name as another exercise. Adapted the code to fit the cases accordingly. Tested to make sure that once the create button was pressed, the user would be redirected to the add exercise page with the exercise added to the user's plan (checked on the firebase database to make sure). Checked to make sure that the exercise auto reloaded onto the page when the create button was pressed.	Pass
Add/Delete Exercise From a Plan	Tested the functionality and accuracy of adding and removing an exercise from a plan. Tested the slide functionality of each card to make sure there was an ability to slide each exercise and add/delete it. Since all the cards were based off of one widget, I tested adding the same exercise to the plan, adding a new exercise to a plan, deleting an exercise that is in the plan, deleting an exercise that is not in the plan. Looked at the firebase database to make sure that all the data was accurate and printed to the console any irregularities. I then tested the same cases with the custom exercise the user has added to make sure the implementation of adding/deleting a custom exercise worked as intended.	Pass

Start Workout Page

Module/Component	Testing	Result
Exercise Plans List (View)	Tested functionality of the viewability of all the current plans the user currently has. The equivalence classes include: No exercises, 1 exercise, and multiple exercises. Checked to see if the program could identify no exercises present and write Text to the user. Checked to see that multiple exercises were displayed.	Pass

Exercise Plans List On Click	Tested functionality of the OnClick function for the cards in the "My Workout" Page, checked to make sure that each exercise would redirect to the correct plan's "Start Plan Page". Printed the output when the card was clicked to check the name of the plan that was clicked.	Pass
Select a Random Workout Button	Tested functionality of the Select Random Button to make sure that it redirected to a current plan that the user had. The equivalence classes tested included: 0 Plans, 1 Plan, and Multiple Plans. Made sure that the button wouldn't redirect anywhere at 0 plans and for the others, randomize which plan to start.	Pass

Start Workout Plan Page

Module/Component	Testing	Result
Add New Exercise Button	Tested Functionality of the button with 3 equivalence classes: 0 Exercises in List, 1 Exercise in List, and Multiple Exercises in List. Tested adding Custom Exercises and Built In Exercises to the Plan Passed all Functionality	Pass
Reset Button	Tested the Reset Button to make sure that the exercises reset properly with 3 equivalence classes: 0 Exercises in Plan, 1 Exercise in Plan, and Multiple exercises in the plan. Tested the functionality of resetting both completed exercises and the effect it had on uncompleted exercises as well as custom/non custom exercises. Passed all Functionality	Pass
New Set and Delete Buttons (Slidable and Button)	Tested the functionality of these buttons for multiple equivalence classes including: Custom Exercises, Non Custom Exercises, Completed Exercises, Non Completed Exercises. Checked to see that the output is as intended and saved automatically by checking the firebase database and double checking the database and local machine matched in data. Passed all Testing except deleting an exercise that had length 1, deleted on the screen even though it shouldn't. Although, it still stayed on firebase (visual bug)	Pass

Enter Sets, Reps, and Weight	Testing the input of Sets, Reps, and Weight Text Boxes. Checked equivalence classes: Null characters, Numbers, Letters, Special Characters, and mixture of all characters. Checked the functionality of changing a Completed Exercise. Passed all functional tests except when a null character is inputted.	Pass