

Test Coverage

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	67.67	45.78	57.75	83.02	
assets	100	100	100	100	
car-icon.png	100	100	100	100	
colors.js	100	100	100	100	
history-icon.png	100	100	100	100	
notification-icon.png	100	100	100	100	
schedule-icon.png	100	100	100	100	
smart-settings-icon.png	100	100	100	100	
components	59.56	41.18	49.02	75.68	
Dashboard.js	43.06	31.91	30	85.71	7
HomeOption.js	60.78	42.86	40	66.67	6,7,9
RateDisplay.js	78.33	51.35	81.25	76.19	19,20,22,23,27
screens	83.78	57.45	80	100	
HomeScreen.js	83.78	57.45	80	100	5

Analysis

According to Jest, we have 83.02% lines covered out of all the files on the front end. That leaves about 17% of total lines uncovered on the front end. We do not have any tests written for the backend or any of our Lambda functions. Because we have not prioritized testing, much of our application remains untested, which may not be a concern for now since our functionality is limited. However, for additional functionality, we will need to test the entirety of our application, as well as test the components on the front end to make sure the UI will continue to work as expected.

Test Coverage

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	87.3	56.58	87.88	100	
assets	100	100	100	100	
colors.js	100	100	100	100	
components	86.89	56.58	87.88	100	
HomeOption.js	84.31	57.14	86.67	100	3
OnboardingLogo.js	100	75	100	100	2
RateDisplay.js	86.67	54.05	87.5	100	2,22

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FAIL screens/__tests__/SettingsScreen.test.js
FAIL components/__tests__/OnboardingInput.test.js
FAIL screens/__tests__/SetupComponents.test.js
FAIL screens/__tests__/SetupScreen.test.js
FAIL screens/__tests__/SignInScreen.js
```

Analysis

According to Jest, we now have 100% lines covered out of all the files on the front end. However, we have 87.3% of statements, 56.58% of branches, and 87.88% of functions covered. A couple lines are “uncovered”, but are in yellow in Jest, meaning that branches are not covered. Currently, 5 tests are failing, because they are not being maintained. We still do not have any tests written for the backend or any of our Lambda functions. Much of our application remains untested formally, but we have been testing certain functionality as we go. It seems easy to get 100% coverage, but harder to go through as check that all aspects are covered in statements, branches and functions. We will need to add tests for more functionality of our application, especially to thoroughly test branches, statements, and functions.