Test Report & CircleCI Screenshots

Test Cases

Test Cases planned	Test cases executed	Test Cases passed	Test Cases failed
13	13 (48 Test instances, see below for details)	12	1 (to be implemented in the next sprint)

Test Case ID	Feature	Environment	Test Case Description	Expected Result	Date(s) test was performed and Result
1	User view of homepage, with links to other available pages (related to user story 18)	Chrome	1. Navigate to home page (by clicking the "Home" link)	User is redirected to the home page, and presented with a description of the website's purpose	04/09/20: Passed 09/09/20: Passed 15/09/20: Passed 21/09/20: Passed
2	User view of homepage with sign in link (related to user story 18)	Chrome	1. Navigate to home page 2. Click on "Sign in" link	User is redirected to the sign in page and the "sign in" form is displayed.	04/09/20: Passed 09/09/20: Passed 15/09/20: Passed 22/09/20: Passed
3	User sign in (related to user story 16)	Chrome	1. Navigate to "Sign in" page 2. User enters in username and password 3. User clicks the "Login" button	User is logged in and redirected to a dashboard.	09/09/20: Passed 15/09/20: Passed 22/09/20: Passed
4	User sign in (related to user story 16)	Chrome	1. Navigate to "Sign in" page 2. User enters in a **valid** username and **invalid** password 3. User clicks the "Login" button	User is advised that their login details are incorrect, and prompted to try logging in again.	21/09/20: **Failed** (Bug report ID 3)
5	Add new worker/user (related to user story 6)	Chrome	1. Navigate to admin dashboard 2. Click on "Add User" button	User is presented with a form to enter new User details. Upon entry of details and clicking "submit", details are viewable in the database	09/09/20: **Failed** (Bug report ID 1) 15/09/20: Passed 22/09/20: Passed
6	Browse Available	Chrome	1. Navigate to home page	Given that nil	16/09/20: Passed

	Business Services (related to user story 10)		2. Click on Services link *Negative edge case (no services are present) Precondition: with BackEnd running, and with nil services in database*	services are present in the system, user should see an empty "list"	18/09/20: Passed 21/09/20: Passed 22/09/20: Passed
7	Browse Available Business Services (related to user story 10)	Chrome	1. Navigate to home page 2. Click on Services link *Precondition: Postman was used to add 2 Services (Dentist and Hairdresser) to the database, prior to test execution*	User is redirected to the Services page, and is able to see a list of 2 available services: "Dentist" and "Hairdresser"	16/09/20: **Failed** (Bug report ID 2) 18/09/20: Passed 21/09/20: Passed 22/09/20: Passed

8	Unique Dashboard displayed for users, based on user type when logging in
	
	(related to user story 16)
		Chrome	1. Navigate to home page
			2. Click on "Sign in" link
			3. Enter in User login details
			4. a. Given that User is a customer
			4. b. Given that User is an Admin
			4. c. Given that User is a worker
			
			Precondition: Postman was used to add a user of each type (CUSTOMER, WORKER and ADMIN) to the database, prior to test execution
				User is redirected to their dashboard, and their dashboard should be specific for their user type (Admin, Customer, Worker)
				
				a. Customer dashboard
				
				b. Worker dashboard
				
				c. Admin dashboard
					29/09/20:
					  a. Passed
					  b. Passed
					  c. Passed
					
					02/10/20:
					  a. Passed
					  b. Passed
					  c. Passed
					
					9/10/20:
					(retested after unique dashboards for users were re-designed, too add in functionality specific to user type)
					  a. Passed
					  b. Passed
					  c. Passed

9	Dashboard for a customer displays their bookings made (related to user story 14)	Chrome	1. Navigate to home page 2. Click on "Sign in" link 3. Enter in Customer login details *Precondition: Postman was used to add Customer login details (username: CUSTOMER, password: password) and a booking for that customer (for Dentist service, with Worker JANE) to the database, prior to test execution*	User is redirected to their unique customer dashboard, and their dashboard should display the booking details (with Worker name: JANE, Service: Dentist, and date and time of booking)	05/10/20: Passed 06/10/20: Passed 09/10/20: Passed

10	After making a booking, customers can view a list of services that the system has identified they may be interested in (recommender system enhancement, related to user story 20)	Chrome	1. When logged in, navigate to "Services" page (via Services link) 2. Click on Cross-Fit Training Service listed 3. Click on Available Booking and enter in CUSTOMER username and click "Confirm" button to confirm booking *Precondition: Postman was used to add Customer login details (username: CUSTOMER, password: password) and services "Cross-fit training" and "Strength Training" (both from Fitness category) to the database, prior to test*	User is redirected to a Booking confirmation page. Booking should be updated in the database with the user's Customer details. The system should also display a message that identifies "Strength Training" as another service that may be of interest to the current user. The "Strength Training" message should be clickable, to allow the user to directly view the available time slots for this recommended service.	05/10/20: Passed 08/10/20: **Failed** (Bug Report ID 4) 10/10/20: Passed 13/10/20: Passed
11	Admin is able to add available booking time slots to the system (related to user story 7)	Chrome	1. When logged in as an Admin 2. Enter required details (Service Name: Dentist, Worker Name: Jane, Date and Time) in the Add New Bookings form displayed on dashboard 3. Click submit	After clicking submit, the new available time slot should be added to the database, and viewable under Services -> Dentist (with the date and time as entered by the Admin)	02/10/20: Passed 05/10/20: Passed 09/10/20: Passed
12	New Customer is able to sign up for a new account (related to user story 11)	Chrome	1. Navigate to home page 2. Click on the Sign up page 3. Enter in required details 4. Click submit	After clicking submit, the new customer details should be viewable in the database, and the customer will be able to log in and view their dashboard.	29/09/20: Passed 05/10/20: Passed 09/10/20: Passed
13	Worker is able to view their upcoming shifts on their dashboard i.e. what bookings customers have made with that specific worker	Chrome	1. Navigate to Sign-in page 2. Enter in "JANE" as username and "password" in password text field 3. Press enter *Precondition: Postman was used to add WORKER entity details to database (with username JANE and*	The user should be redirected to the Dashboard. A Worker Dashboard should be displayed, with the upcoming booking displayed on the dashboard.	02/10/20: **Failed** (Bug Report ID 5) 05/10/20: Passed 09/10/20: Passed 11/10/20: Passed

	(related to user story 1)		password: password). Upcoming booking for worker JANE, with customer JOHN, for service "Dentist" and Date/Time "30/10/20 11:30am" was also added to the database		

In addition to the above manual tests, a total of 45 unit tests have been written so far (with more to be written as the project requirements and code base develop further). The project has been implemented to run the unit tests on each push to the remote repository and on each merge, to comply with continuous integration principles - CircleCI screenshots are included below Bug Reports.

Bug Reports:

Bug Report ID	1
Date	09/09/20
Test Case ID	5
Feature being tested	Add new worker feature
Expected Result	On entering Name: Test, Password: Password, User Identifier: abc123, User Type: Worker, Phone: 12345 and clicking submit; Then the details should be visible in the database
Actual Result	Database was not updated with new user
Developer Assigned	Grace Kerr
Priority	1
Status	09/09/20 Problem verified and identified - Frontend unable to post details to backend 10/09/20 Fix applied - Bug identified in createUser function; fixed to allow creation of user and post to api/user

Bug Report ID	2
Date	16/09/20

Test Case ID	7
Feature being tested	Browse Available Business Services
Expected Result	List of 2 services should be visible
Actual Result	Empty list was displayed
Developer Assigned	Su-Kuen Koh
Priority	2
Status	16/09/20 Problem verified and identified - Frontend unable to get services data from backend 18/09/20 Fix applied - Implemented code within front and backend to allow communication - Feature re-tested: passed

Bug Report ID	3
Date	21/09/20
Test Case ID	4
Feature being tested	User Sign in (negative edge case)
Expected Result	With entry of invalid user details, user should be informed that login details were incorrect, and prompted to try again
Actual Result	User was redirected to dashboard
Developer Assigned	Grace Kerr
Priority	2
Status	21/09/20 Problem verified and issue identified - Login functionality and security to be implemented 05/10/20 Security validation and password encryption/decryption fix attempted, but bug still present - Fix postponed to a future sprint, as unable to be completed in the time left in the current sprint.

Bug Report ID	4

Date	8/10/20
Test Case ID	10
Feature being tested	Service Recommender System (enhancement)
Expected Result	Upon booking a service ("Cross-Fit Training"), the system should display a message that the service "Strength Training" may also be of interest to the current user
Actual Result	No services were recommended by the system/displayed on the screen
Developer Assigned	Su-Kuen Koh
Priority	2
Status	9/10/20 Problem verified - does not occur all the time. Issue identified: - Axios calls to backend API not running sequentially (order of execution of calls not as expected - causing empty data to be loaded on screen) 11/10/20 Fix applied - Change code so that axios calls are made in expected order (by nesting calls)

Bug Report ID	5
Date	2/10/20
Test Case ID	12
Feature being tested	Worker upcoming roster displayed to Workers once they are logged in
Expected Result	Upon logging in with worker credentials (username: JANE and password: password), the system should display the workers upcoming roster (consisting of the bookings that customers have made with the worker)
Actual Result	No bookings were displayed on the screen (when the database indicated that there was one)
Developer Assigned	Grace Kerr

Priority	2
Status	9/10/20 Problem verified and issue identified: - Axios calls to backend API not running sequentially (order of execution of calls not as expected - causing empty data to be loaded on screen) 11/10/20 Fix applied - Change code so that axios calls are made in expected order (by nesting calls)

CircleCI screenshots:

CircleCI screenshots (from our private repo Milestone3CircleCI, set up to allow for CircleCI testing because credits had run out on main account)
GitHub link: https://github.com/Su-KuenKoh/Milestone3CircleCI.git
CircleCI link: https://app.circleci.com/pipelines/github/Su-KuenKoh/Milestone3CircleCI

Milestone 3 CircleCI screenshots:

Milestone 2 CircleCI screenshots:

PIPELINE	STATUS	WORKFLOW	BRANCH / COMMIT	START	DURATION	ACTIONS
Milestone2 #3 ▾	✅ Success	build-deploy-qa	master 668f2d3 change credentials for aws	28m ago	8m 56s	⟲ ⟲ ⊗ ⋯
	✅ Success	frontend			1m 23s	
	✅ Success	build_and_deploy_frontend			4m 57s	
	✅ Success	build_and_deploy_backend			1m 49s	
	✅ Success	backend			21s	
Milestone2 #2 ▾	❗ Failed	build-deploy-qa	master 25fc286 refactor to pass and test deploy	1h ago	7m 31s	⟲ ⟲ ⊗ ⋯
	✅ Success	frontend			33s	
	❗ Failed	build_and_deploy_frontend			4m 49s	
	❗ Failed	build_and_deploy_backend			1m 6s	
	✅ Success	backend			26s	
Milestone2 #1 ▾	❗ Failed	build-deploy-qa	master 6f1eebb	1h ago	4m 25s	⟲ ⟲ ⊗ ⋯
	❗ Failed	frontend			48s	
	❗ Failed	build_and_deploy_frontend			1m 29s	
	❗ Failed	build_and_deploy_backend			1m 3s	
	✅ Success	backend			47s	

No more pipelines to load

PIPELINE	STATUS	WORKFLOW	BRANCH / COMMIT	START	DURATION	ACTIONS
MajorProject-CI #10 ▾	✅ Success	build-deploy-qa	master c8c33bf spearate front and backend deploy	14h ago	7m 29s	⟲ ⟲ ⊗ ⋯
	✅ Success	frontend			1m 0s	
	✅ Success	build_and_deploy_frontend			4m 9s	
	✅ Success	build_and_deploy_backend			1m 20s	
	✅ Success	backend			36s	
MajorProject-CI #9 ▾	✅ Success	build-deploy-qa	master f95de2a change aws ecs repo names	15h ago	6m 7s	⟲ ⟲ ⊗ ⋯
	✅ Success	frontend			1m 16s	
	✅ Success	build_and_deploy			4m 7s	
	✅ Success	backend			33s	
MajorProject-CI #8 ▾	❗ Failed	build-deploy-qa	master 07c9442 build and deploy frontend	15h ago	3m 8s	⟲ ⟲ ⊗ ⋯
	✅ Success	frontend			30s	
	❗ Failed	build_and_deploy			1m 8s	
	✅ Success	backend			29s	

MajorProject-CI #7	▼	✓ Success	build-deploy-qa	🔷 master	20h ago	4m 10s	⟳ ⟳ ⊗ ⋯
		✓ Success	🔹 frontend	**a370695** add credentials		41s	
		✓ Success	🔹 build_and_deploy			2m 7s	
		✓ Success	🔹 backend			49s	

MajorProject-CI #6	▼	❗ Failed	build-deploy-qa	🔷 master	22h ago	1m 58s	⟳ ⟳ ⊗ ⋯
		✓ Success	🔹 frontend	**b13b0c7** try diff credentials for docker push		29s	
		❗ Failed	🔹 build_and_deploy			1m 4s	
		✓ Success	🔹 backend			17s	

MajorProject-CI #5	▼	❗ Failed	build-deploy-qa	🔷 master	23h ago	2m 25s	⟳ ⟳ ⊗ ⋯
				55ec3d4 change into backEnd folder to build docker image			
		✓ Success	🔹 frontend			22s	
		❗ Failed	🔹 build_and_deploy			1m 27s	
		✓ Success	🔹 backend			22s	

MajorProject-CI #4	▼	❗ Failed	build-deploy-qa	🔷 master	23h ago	2m 43s	⟳ ⟳ ⊗ ⋯
				9bab7f2 add deploy code in config.yml			
		✓ Success	🔹 frontend			29s	
		❗ Failed	🔹 build_and_deploy			1m 2s	
		✓ Success	🔹 backend			46s	

MajorProject-CI #3	▼	✓ Success	build-deploy-qa	🔷 master	23h ago	2m 18s	⟳ ⟳ ⊗ ⋯
				56bc709 Merge pull request #2 from Su-KuenKoh/develop			
		✓ Success	🔹 frontend			28s	
		✓ Success	🔹 build_and_deploy			1m 2s	
		✓ Success	🔹 backend			38s	

MajorProject-CI #2	▼	✓ Success	build-deploy-qa	🔷 develop	23h ago	1m 55s	⟳ ⟳ ⊗ ⋯
				1bdebbf Merge pull request #1 from Su-KuenKoh/CI_testing			
		✓ Success	🔹 frontend			42s	
		✓ Success	🔹 backend			1m 2s	

MajorProject-CI	#1	🔧	No `.circleci/config.yml` was found in your project. Click Add Config to choose how to add a config file or refer to documentation.				
			Add config				

	▼	❗ Failed	Build Error	🔷 master	24h ago	16s	⟳ ⟳ ⊗ ⋯
				0d68441			
		❗ Failed	🔹 Build Error			12s	