

SW Engineering CSC 648/848

Shyft

Service Industry Contract Work

Section 4, Team 05

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“Milestone 4”

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Document Revision History Table

[illegible]

1) Product summary

Name of the product: **Shyft**

Major committed functions:

- Users can create and login to their accounts using a unique user id and password
 - User can sign up for a new account
 - User can sign in with their existing account
- Users can logout of their account
 - User can safely logout
- Users will have a profile
 - User will have the option to create an account for contractors or employers
- Contractors can pick up, and drop shifts
 - Contractors can pick up shifts that will be taken down once a user has confirmed that they will be available for it
 - Contractors can drop shifts that no longer work for them
- User can edit and update their profile
 - User can change their account's password
- Employers can create, open and close shifts
 - Employers can create shifts that contractors can pick up
 - Employers can open shifts that need to be picked up
 - Employers can close shifts that are no longer available so that they can be taken down from Shyft

What sets Shyft apart from other companies is that we are targeting a specific industry that would otherwise have a much harder time finding a job position. This last year and a half has made it extremely difficult for people to meet face-to-face to find employment, but with Shyft that is not necessary. Employers post a shift on the app, thousands of people looking for work browse the shifts, claim the one that best suits their schedule, gets the job done, and gets paid via the app. It's that simple. Our app eliminates the process of having to do tedious phone calls to find work, figure out if the location works for them, and takes away the worry of whether or not they are going to get paid right away. The past year and a half has been difficult for people, but now anyone in need of work has a place to go to find work and get paid right away.

URL: <http://ec2-54-183-209-129.us-west-1.compute.amazonaws.com/>

2) QA Testing

I. Unit Test

Use Case 1:

Anthony Gonzalez is a restaurant owner looking to hire help during the pandemic. He is looking for a shift manager, 2 cashiers, a cook and 2 cleaners.

He has already created an account as an employer on the Shyft web app. On the employee dashboard, he uses the “create shift” functionality to create shifts for the positions mentioned above along with other relevant details for prospective employees.
////basically posting shifts as an employer

Test Suite	Test Name	Details	Status	Duration
case 1	Login	case 1 / [POST] Login	Passed	353 ms
	create Shift 1	case 1 / [POST] Create Shift	Passed	264 ms
	create shift 2	case 1 / [POST] Create Shift 2	Passed	248 ms
	create shift 3	case 1 / [POST] Create Shift 3	Passed	270 ms
	create shift 4	case 1 / [POST] Create Shift 4	Passed	253 ms
	create shift 5	case 1 / [POST] Create Shift 5	Passed	250 ms

Use Case 2:

Lucas is a 20-year old college student who is looking for some part time work to make some cash on the side. He heard about the Shyft app and decided to check it out. The first thing he has to do is sign up for an account as an employee (looking for work). He clicks on “New user? Sign up here” and selects “Employee” type user account. Then he fills out the relevant information.

////////new user signing up for an account as an employee type looking for work

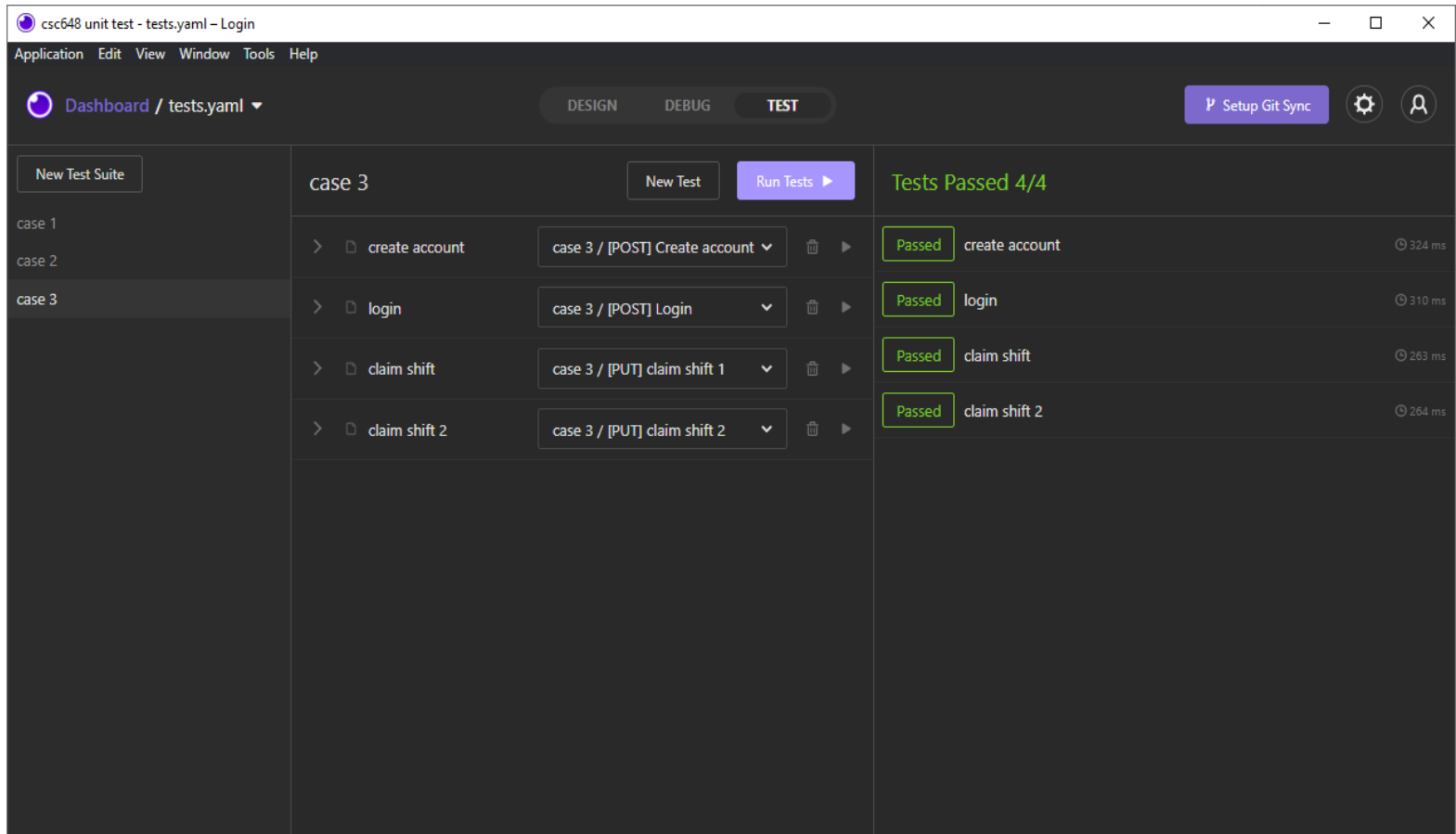
The screenshot shows a REST client application window titled "csc648 unit test - tests.yaml - logout". The interface includes a menu bar (Application, Edit, View, Window, Tools, Help) and a toolbar with buttons for "New Test Suite", "New Test", and "Run Tests". The main area is divided into three panels: a left sidebar with a tree view showing "case 1", "case 2", and "case 3"; a central panel for "case 2" listing 6 tests; and a right panel showing the results of the tests.

Test Name	Method	Path	Status	Duration
create account	POST	/create-account	Passed	322 ms
login	POST	/login	Passed	313 ms
claim shift 1	PUT	/claim-shift/1	Passed	271 ms
claim shift 2	PUT	/claim-shift/2	Passed	263 ms
claim shift 3	PUT	/claim-shift/3	Passed	254 ms
drop shift	PUT	/drop-shift	Passed	268 ms

Use Case 3:

Joseph, 24, has a BS in CS and had been working for a year before being laid off due to COVID. He has an account on Shyft and is looking for part time work to help with the bills while he looks for a full time position in his field of study. He looks at his Employee Dashboard and clicks 'Claim Shift' to find shifts for work that suits him. After finding a suitable shift, he clicks the 'Claim Shift' button to reserve that shift for himself.

//////employee can go to employee dashboard, view shifts and claim one



case 3		New Test	Run Tests ▶	Tests Passed 4/4		
>	create account	case 3 / [POST] Create account ▼	▶	Passed	create account	324 ms
>	login	case 3 / [POST] Login ▼	▶	Passed	login	310 ms
>	claim shift	case 3 / [PUT] claim shift 1 ▼	▶	Passed	claim shift	263 ms
>	claim shift 2	case 3 / [PUT] claim shift 2 ▼	▶	Passed	claim shift 2	264 ms

II. Integration Test

Test Case ID	1	Test Case Description	Users can create and login to their accounts with unique username and password						
Created By	Team	Reviewed By	Ana		Version		3.1		
QA Tester's Log		Working as expected							
Tester's Name		Ana	Date Tested		November 22, 2021		Test Case (Pass/Fail/Not		Pass
S #	Prerequisites:		S #		Test Data				
1	Access to Chrome Browser		1		Userid = anniedn				
2			2		Pass = Annie123				
3			3						
4			4						
Test Scenario		Verify on entering valid userid and password, the customer can login, or sign up							
Step #	Step Details		Expected Results		Actual Results		Pass / Fail / Not executed / Suspended		
1	Navigate to the login page		Site should give the user the option to login		As Expected		Pass		
2	Enter Userid & Password		Username and password can be		As Expected		Pass		
3	Click Login		User is logged in		As Expected		Pass		
Test Case ID		2	Test Case Description		Users can logout of their account				
Created By	Team	Reviewed By	Ana		Version		3.1		
QA Tester's Log		Working as expected							
Tester's Name		Ana	Date Tested		November 22, 2021		Test Case (Pass/Fail/Not Executed)		Pass
S #	Prerequisites:		S #		Test Data				
1	Access to Chrome Browser		1		Userid = anniedn				
2			2		Pass = Annie123				
3			3						
4			4						
Test Scenario		When trying to logout, the user should safely be able to logout							
Step #	Step Details		Expected Results		Actual Results		Pass / Fail / Not executed / Suspended		
1	Login with credentials		User should be logged in		As Expected		Pass		
2	Select the "logout" option		The user is logged out		As Expected		Pass		

Test Case ID	6	Test Case Description	Employers can create, open and close shifts			
Created By	Team	Reviewed By	Ana	Version	3.1	
QA Tester's Log		Working as expected				
Tester's Name	Ana	Date Tested	November 22, 2021	Test Case (Pass/Fail/Not	Pass	
S #	Prerequisites:		S #	Test Data		
1	Access to Chrome Browser		1	Userid = anniedn		
2			2	Pass = Annie123		
3			3			
4			4			
Test Scenario						
Verify that the employer is able to create, open and close shifts						
Step #	Step Details	Expected Results	Actual Results		Pass / Fail / Not executed / Suspended	
1	Navigate to home page	Site should open	As Expected		Pass	
2	Enter credentials	User should be able to log in	As Expected		Pass	
3	User creates a job post	Post is seen on avaiable shifts	As Expected		Pass	
4	User takes down the post	Post is taken down from	As Expected		Pass	

Test Case ID	5	Test Case Description	Employees can trade shifts			
Created By	Team	Reviewed By	Ana	Version	3.1	
QA Tester's Log						
Tester's Name	Ana	Date Tested	November 28, 2021	Test Case (Pass/Fail/Not Executed)	Pass	
S #	Prerequisites:		S #	Test Data		
1	Access to Chrome Browser		1	Userid = anniedn		
2			2	Pass = Annie123		
3			3			
4			4			
Test Scenario	Verify on entering valid userid and password, the customer can login					
Step #	Step Details	Expected Results	Actual Results		Pass / Fail / Not executed / Suspended	
1	Navigate to home page	Site should open	As Expected		Pass	
2	Enter credentials	User should be logged in	As Expected		Pass	
3	User drops the shift and picks up another	User's original shift is available for someone else and a different shift is picke dup	As Expected		Pass	

3) Code Review:

a) Our goal in our coding is to allow all of our members easy readability and understanding. Anyone doing any coding on our project knows that clarity and simplicity are of most importance since this makes it easier for everyone to be able to understand what is going on and add on to the work already done. We have given any names in our program a lot of thought so that when someone else is reading it they are able to smoothly follow along. Making sure that we have proper indentation has also been very important to us in order to increase readability. As well as making sure that our functions are not too long in order to improve readability and to make sure that every function has a compelling task. We have all done a very good job at keeping our files organized so that we all know where everything in the program is located based on the goal of the function. The easiest way to make sure that these practices are being followed is by making sure that everyone in the group knows what coding styles we have prioritized and the best ways to make sure that they are taken into effect. Then our lead goes through the code and makes sure that all of our styles are being followed and requests for any changes that need to be made if needed.

b)

The screenshot displays a GitHub pull request interface. At the top, a user named 'andyouy' is shown to have reviewed the pull request 15 minutes ago, with a 'View changes' button. Below this, a comment box indicates 'andyouy left a comment' with a smiley face icon and a three-dot menu. The comment content is a bulleted list: '• overall, really good work on the profile page'. Below the comment, a code diff is shown for the file 'application/client/src/pages/profilePage.js'. The diff highlights a change on line 16: '+ const {id} = useParams();'. Below the code diff, another comment from 'andyouy' 15 minutes ago is visible, with a smiley face icon and a three-dot menu. The comment content is a bulleted list: '• instead of id, it might be better to have it labelled as username, as the information is pulled from the backend based on the users username'. At the bottom of the pull request, a status bar shows 'jgiatpaiboon merged commit 5beee7f into dev 5 days ago' with a 'Revert' button. Below the status bar, a timeline of actions is shown: 'andyouy changed the title Frontend Frontend -> dev 34 minutes ago' and 'andyouy added the code review label 30 minutes ago'. On the right side of the interface, there are sections for 'Milestone' (No milestone), 'Linked issues' (Successfully merging this pull request may close these issues), and 'None yet'.

andyouy reviewed 15 minutes ago [View changes](#)

andyouy left a comment

- overall, really good work on the profile page

```
application/client/src/pages/profilePage.js
11      15
16 + const {id} = useParams();
```

andyouy 15 minutes ago

- instead of id, it might be better to have it labelled as username, as the information is pulled from the backend based on the users username

jgiatpaiboon merged commit 5beee7f into dev 5 days ago [Revert](#)

andyouy changed the title Frontend Frontend -> dev 34 minutes ago

andyouy added the [code review](#) label 30 minutes ago

Milestone
No milestone

Linked issues
Successfully merging this pull request may close these issues.
None yet

application/client/src/pages/profilePage.js

```
23 + const submitHandler = async (e) => {  
24 +   e.preventDefault();  
25 +   axios.put(`/api/editProfile`, {  
26 +     id,  
27 +     email,  
28 +     userID,  
29 +     password,  
30 +     phoneNumber,  
31 +     address,  
32 +     bio  
33 +   })
```



andyouy 17 minutes ago



- id, email, userID, and password would not be needed for this function, as users should only be able to change their phone number, address, and bio

```
71 + <label>
72 +   Name:
73 +   <input
74 +     name="Name"
75 +     placeholder="Name"
76 +     type='text'
77 +     value={fullName}
78 +     onChange={e => setFullName(e.target.value)}
79 +     disabled
80 +   />
81 + </label>
82 + <label>
83 +   Email Address:
84 +   <input
85 +     name="Email"
86 +     placeholder="Email"
87 +     type='text'
88 +     value={email}
89 +     onChange={e => setEmail(e.target.value)}
90 +   />
91 + </label>
92 + <label>
93 +   Username:
94 +   <input
95 +     name="User ID"
96 +     placeholder="Username"
97 +     type='text'
98 +     value={userID}
99 +     onChange={e => setUserID(e.target.value)}
100 +   />
101 + </label>
```



andyoyu 16 minutes ago



...

- good use of spacing
- spacing out the attributes improves readability
- since the name already has the disabled attribute, should email and username have it as well? Users should not have the option to change their emails and username as well

4) Self-check: Adherence to original Non-functional specs

1 - Users can create and login to their accounts using a unique user id and password

Status: Done

2 - User can logout of their account

Status: Done

3 - Guest users, those who have not been verified, will only see gig listing previews. They will not be able to see full details or access our live scheduling system

Status: On Track

4 - User will have a profile (one of two categories: contractor, employer)

Status: Done

5 - User can edit and update their profile

Status: On Track

6 - Contractors can pick up, and drop shifts

Status: Done

7 - Employers can create, open and close shifts

Status: Done

8 - Contractors can get paid through the app

Status: Issue - This would require a lot of work that we likely do not have time for

9 - Users can view and select shifts through calendar view

Status: Issue - We didn't have the time to implement this

10 - Users can communicate through direct messages

Status: Issue - We didn't have the time or knowledge to implement this

11 - Users can get a recommendation about shifts or contractors available near the user

Status: Issue - We didn't have the time or knowledge to implement this

12 - Contractors can trade their shifts with another contractor

Status: Done