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Software Engineering - (IT314)
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Group 1

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Common Pages(*accessible to all*)

1) LandingPage.jsx

Tests ran:								
File	% Mutation score	total	covered	# killed	# timeout	# survived	# no cov	# errors
All files	86.16	87.26		77	60	20	2	0
LandingPage.jsx	86.16	87.26		77	60	20	2	0

2) HelpCenter.jsx

All tests/HelpCenter.test.jsx								
File	% Mutation score	total	covered	# killed	# timeout	# survived	# no cov	# errors
All files	100.00	100.00		5	0	0	0	0
HelpCenter.jsx	100.00	100.00		5	0	0	0	0

3) ForgotPasswordPage.jsx

Tests ran:								
File	% Mutation score	total	covered	# killed	# timeout	# survived	# no cov	# errors
All files	82.22	82.22		37	0	8	0	0
ForgotPasswordPage.jsx	82.22	82.22		37	0	8	0	0

4) LoginPage.jsx

Tests ran:								
File	% Mutation score	total	covered	# killed	# timeout	# survived	# no cov	# errors
All files	83.33	85.71		83	7	15	3	0
LoginPage.jsx	83.33	85.71		83	7	15	3	0

Ran 4.37 tests per mutant on average.

5) SignUpPage.jsx

Ran all tests for this mutant.								
File	% Mutation score	total	covered	# killed	# timeout	# survived	# no cov	# errors
All files	88.37	88.37		75	1	10	0	0
SignupPage.jsx	88.37	88.37		75	1	10	0	0

Ran 5.48 tests per mutant on average.

6) ResetPasswordPage.jsx

Tests ran:								
File	% Mutation score	total	covered	# killed	# timeout	# survived	# no cov	# errors
All files	81.58	81.58		62	0	14	0	0
ResetPasswordPage.jsx	81.58	81.58		62	0	14	0	0

Ran 4.08 tests per mutant on average.

Patient side

7) PatientDashboard.jsx

Tests ran:

```
PatientDashboard renders dashboard content successfully with patient data
PatientDashboard handles canceling an appointment
PatientDashboard handles cancel appointment failure
and 17 more tests!
```

Ran 7.33 tests per mutant on average.

File	% Mutation score		# killed	# timeout	# survived	# no cov	# errors
	total	covered					
All files	80.72	85.90	134	0	22	10	0
PatientDashboard.jsx	80.72	85.90	134	0	22	10	0

9) VideoCallPage.jsx

Tests ran:

```
VideoCallPage renders the video container
VideoCallPage initializes ZegoUIKit with correct parameters
VideoCallPage handles Doctor leaving the room (Completes Appointment)
and 6 more tests!
```

Ran 2.97 tests per mutant on average.

File	% Mutation score		# killed	# timeout	# survived	# no cov	# errors
	total	covered					
All files	81.82	81.82	54	0	12	0	0
videoCallPage.jsx	81.82	81.82	54	0	12	0	0

10) CompleteProfilePage.jsx

Tests ran:

```
CompleteProfilePage redirects to /login if no token is found on mount
CompleteProfilePage fetches and displays user info on mount
CompleteProfilePage handles profile fetch failure
and 21 more tests!
```

Ran 5.50 tests per mutant on average.

File	% Mutation score		# killed	# timeout	# survived	# no cov	# errors
	total	covered					
All files	89.26	89.26	108	0	13	0	0
CompleteProfilePage.jsx	89.26	89.26	108	0	13	0	0

11) DoctorsReviewPage.jsx

```
Tests ran:
```

```
  DoctorReviewsPage shows loading state initially
  DoctorReviewsPage renders error state when fetch fails
  DoctorReviewsPage renders doctor info and reviews list on success
  and 9 more tests!
```

```
Ran 2.92 tests per mutant on average.
```

File	% Mutation score		# killed	# timeout	# survived	# no cov	# errors
	total	covered					
All files	96.08	96.08	49	0	2	0	0
DoctorReviewsPage.jsx	96.08	96.08	49	0	2	0	0

```
03:18:01 (1508) INFO HtmlReporter Your report can be found at: file:///C:/Users/Dell/OneDrive/Desktop/p2/
Smart_Healthcare_Appointment_And_Triage_System/client/reports/mutation/mutation.html
03:18:01 (1508) INFO MutationTestExecutor Done in 48 seconds.
```

12) PatientPrescriptionView.jsx

```
Ran all tests for this mutant.
```

```
Ran 4.91 tests per mutant on average.
```

File	% Mutation score		# killed	# timeout	# survived	# no cov	# errors
	total	covered					
All files	86.87	86.87	86	0	13	0	0
PatientPrescriptionView.jsx	86.87	86.87	86	0	13	0	0

13) AuthCallBack.jsx

```
Tests ran:
```

```
  AuthCallback renders loading state initially
  AuthCallback stores token in localStorage and navigates to patient dashboard when token is provided w
ithout nextPath
  AuthCallback stores token and navigates to decoded nextPath when both token and nextPath are provided
  and 8 more tests!
```

```
Ran 2.39 tests per mutant on average.
```

File	% Mutation score		# killed	# timeout	# survived	# no cov	# errors
	total	covered					
All files	95.65	95.65	22	0	1	0	0
AuthCallback.jsx	95.65	95.65	22	0	1	0	0

14) BookAppointmentPage.jsx

Tests ran:

BookAppointmentPage handles "Confirm Booking" (payment) flow success
BookAppointmentPage handles payment initiation failure
BookAppointmentPage handles payment verification failure (API reject)
and 1 more test!

Ran 1.82 tests per mutant on average.

File	% Mutation score		# killed	# timeout	# survived	# no cov	# errors
	total	covered					
All files	87.22	95.27	223	200	21	41	0
BookAppointmentPage.jsx	87.22	95.27	223	200	21	41	0

05:51:04 (18392) INFO HtmlReporter Your report can be found at: file:///C:/Users/Dell/OneDrive/Desktop/p2/Smart_Healthcare_Appointment_And_Triage_System/client/reports/mutation/mutation.html

05:51:04 (18392) INFO MutationTestExecutor Done in 15 minutes 19 seconds.

DoctorSide

15) DoctorUpdateProfile.jsx

Ran 7.81 tests per mutant on average.

File	% Mutation score		# killed	# timeout	# survived	# no cov	# errors
	total	covered					
All files	85.92	85.92	122	0	20	0	0
DoctorUpdateProfile.jsx	85.92	85.92	122	0	20	0	0

16) PrescriptionPage.jsx

```
src/pages/PrescriptionPage.jsx:263:91
-     const patientName = appointment.patient?.fullName || appointment.patientNameForVisit || 'Patient';
+     const patientName = appointment.patient?.fullName || appointment.patientNameForVisit || "";
Tests ran:
    PrescriptionPage patient name falls back to 'Patient' when missing

Ran 1.31 tests per mutant on average.
-----|-----|-----|-----|-----|-----|-----|-----|
File      | % Mutation score |          |          |          |          |          |          |
          | total | covered | # killed | # timeout | # survived | # no cov | # errors |
-----|-----|-----|-----|-----|-----|-----|-----|
All files | 83.09 | 91.62 | 161 | 178 | 31 | 38 | 0
PrescriptionPage.jsx | 83.09 | 91.62 | 161 | 178 | 31 | 38 | 0
-----|-----|-----|-----|-----|-----|-----|-----|
04:31:09 (27008) INFO HtmlReporter Your report can be found at: file:///C:/users/Dell/OneDrive/Desktop/p
/Smart_Healthcare_Appointment_And_Triage_System/client/reports/mutation/mutation.html
04:31:09 (27008) INFO MutationTestExecutor Done in 11 minutes 31 seconds.
```

17) EarningPage.jsx

```
Tests ran:
    DoctorEarningsPage handles missing recentTransactions field gracefully

Ran 2.86 tests per mutant on average.
-----|-----|-----|-----|-----|-----|-----|-----|
File      | % Mutation score |          |          |          |          |          |          |
          | total | covered | # killed | # timeout | # survived | # no cov | # errors |
-----|-----|-----|-----|-----|-----|-----|-----|
All files | 83.00 | 83.00 | 83 | 0 | 17 | 0 | 0
EarningPage.jsx | 83.00 | 83.00 | 83 | 0 | 17 | 0 | 0
-----|-----|-----|-----|-----|-----|-----|-----|
06:58:52 (20888) INFO HtmlReporter Your report can be found at: file:///C:/Users/Dell/OneDrive/Desktop/p2
/Smart_Healthcare_Appointment_And_Triage_System/client/reports/mutation/mutation.html
06:58:52 (20888) INFO MutationTestExecutor Done in 1 minute 16 seconds.
```

Admin Side

18) DoctorProfileAdmin.jsx

Ran 1.91 tests per mutant on average.							
File	% Mutation score						
	total	covered	# killed	# timeout	# survived	# no cov	# errors
All files	93.75	93.75	30	0	2	0	0
DoctorProfileAdmin.jsx	93.75	93.75	30	0	2	0	0

19) AdminAppointmentPage.jsx

Ran 2.33 tests per mutant on average.							
File	% Mutation score						
	total	covered	# killed	# timeout	# survived	# no cov	# errors
All files	86.27	86.27	88	0	14	0	73
AdminAppointmentsPage.jsx	86.27	86.27	88	0	14	0	73

00:39:22 (27028) INFO HtmlReporter Your report can be found at: file:///D:/Teting%20jest/Smart_Healthcare_Appointment_And_Triage_System/client/reports/mutation/mutation.html
00:39:22 (27028) INFO MutationTestExecutor Done in 1 minute and 58 seconds.

20) AdminDashboard.jsx

Ran 3.41 tests per mutant on average.							
File	% Mutation score						
	total	covered	# killed	# timeout	# survived	# no cov	# errors
All files	88.24	88.58	225	0	29	1	148
AdminDashboard.jsx	88.24	88.58	225	0	29	1	148

23:29:04 (18128) INFO HtmlReporter Your report can be found at: file:///D:/Teting%20jest/Smart_Healthcare_Appointment_And_Triage_System/client/reports/mutation/mutation.html
23:29:04 (18128) INFO MutationTestExecutor Done in 7 minutes and 47 seconds.

21) AdminDoctorProfilePage.jsx

```
Tests ran:
AdminDoctorProfilePage handles null/undefined values from API gracefully
AdminDoctorProfilePage renders avatar initials correctly from full name
AdminDoctorProfilePage displays default avatar when profilePicture is missing
and 9 more tests!

Ran 4.99 tests per mutant on average.

+-----+-----+-----+-----+-----+-----+-----+
| | % Mutation score | | | | | |
+-----+-----+-----+-----+-----+-----+-----+
| File | total | covered | # killed | # timeout | # survived | # no cov | # errors |
+-----+-----+-----+-----+-----+-----+-----+-----+
| All files | 82.93 | 82.93 | 68 | 0 | 14 | 0 | 0 |
| AdminDoctorProfilePage.jsx | 82.93 | 82.93 | 68 | 0 | 14 | 0 | 0 |
+-----+-----+-----+-----+-----+-----+-----+-----+
```