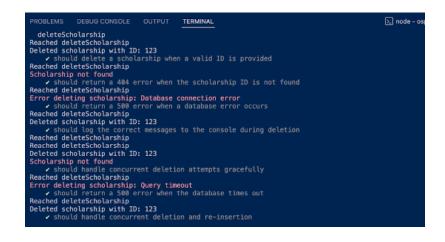
1) Add Scholarship



2) Edit Scholarship



3) Delete Scholarship



4) Applicant Controller

→ Get List of Scholarship

```
PASS controller/ApplicantController.early.test/getListOfScholarships.early.test.js
getListOfScholarships() getListOfScholarships method
Happy paths

v should return a list of scholarships with correct data (14 ms)
Edge cases

v should handle no scholarships in the database (2 ms)

v should handle database query errors gracefully (22 ms)

Test Suites: 1 passed, 1 total
Tests: 3 passed, 3 total
Snapshots: 0 total
Time: 0.721 s, estimated 2 s
Ran all test suites matching /getListOfScholarships.early.test/i.
```

→ get Applicants By ScholarshipId

```
PASS controller/ApplicantController.early.test/getApplicantsByScholarshipId.early.test.js
getApplicantsByScholarshipId() getApplicantsByScholarshipId method
Happy paths

/ should return a list of applicants for a valid scholarship ID (14 ms)
Edge cases

/ should handle no applicants found for a valid scholarship ID (3 ms)

/ should handle invalid scholarship ID (4 ms)

/ should handle database query errors gracefully (16 ms)

Test Suites: 1 passed, 1 total
Tests: 4 passed, 4 total
Snapshots: 0 total
Time: 1.108 s
Ran all test suites matching /getApplicantsByScholarshipId.early.test/i.
```

File ▲	\$ Statements +	\$	Branches \$	\$	Functions	\$	Lines \$	\$
ApplicantController.js	100%	19/19	100%	0/0	100%	2/2	100%	19/19

5) Get ApplicantID

File 🔺

getApplicantId.js



100%

0/0

100%

1/1

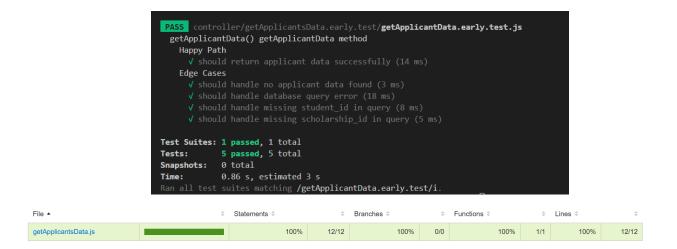
100%

12/12

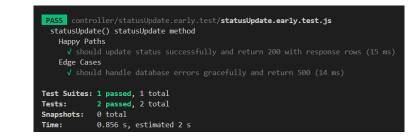
100%

12/12

6) Get Applicant DATA



7) Status Update



File ▲	\$ Statements	÷	Branches \$	\$	Functions \$	\$	Lines ‡	÷
statusUpdate.js	100%	11/11	100%	0/0	100%	1/1	100%	11/11

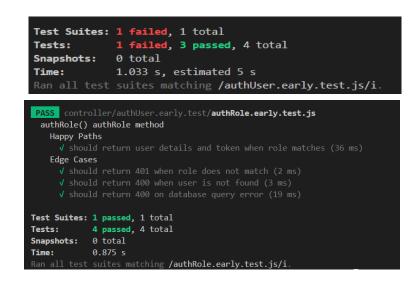
8) Handle Email



File ▲	♦ Statements ♦ Branches ♦ Fund		Functions \$	Functions \$\display \text{Lines \$\display}					
handelemail.js		100%	17/17	100%	2/2	100%	1/1	100%	17/17

9) Register-User

10) Auth user/Role



→ Token Generation error occurs.

11) Reset Password

→ email sender

```
Test Suites: 1 failed, 1 total
Tests: 1 failed, 4 passed, 5 total
Snapshots: 0 total
Time: 1.044 s, estimated 2 s
Ran all test suites matching /emailSender.early.test.js/i.
```

→ Set Password

→ validate OTP

File ▲	\$ Statements	\$	Branches \$	\$	Functions	\$	Lines \$	\$	
resetPass.js	97.22%	70/72	100%	21/21	100%	4/4	97.22%	70/72	

12) User Profile

13) Upload PDF

→ in this two backend code we are uploading pdf and images on cloud so we tried a lot but can not able to generate test case which tests file is uploaded successfully or not but we checked manually and website is working fine, and all the pdf and images are successfully uploaded on the cloud.

14) Get Scholarship

```
PASS controller/getScholarship.early.test/getScholarship.early.test.js
getScholarship() getScholarship method
Happy Path

V should return scholarship data when a valid scholarship_id is provided (21 ms)
Edge Cases

V should handle no scholarship found for the given scholarship_id (4 ms)

V should handle database query errors gracefully (7 ms)

V should handle invalid scholarship_id types gracefully (2 ms)

Additional Edge Cases

V should return undefined if no data found for scholarship_id but no error occurs (5 ms)

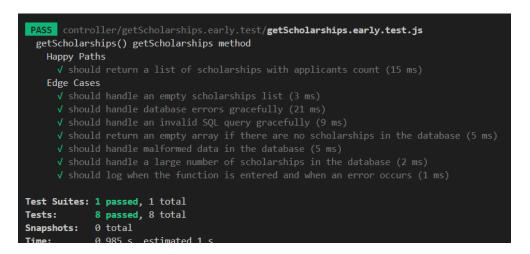
Logging and Error Handling

V should log an error message when a query fails (2 ms)

Test Suites: 1 passed, 1 total
Tests: 6 passed, 6 total
Snapshots: 0 total
TImme: 1.062 s
```

File ▲	\$ Statements	\$	Branches \$	\$	Functions \$	\$	Lines \$	\$
getScholarship.js	100%	11/11	100%	0/0	100%	1/1	100%	11/11

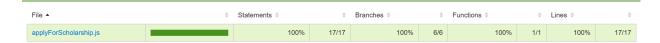
15) GetScholarships (List Of Scholarship with applicant count)



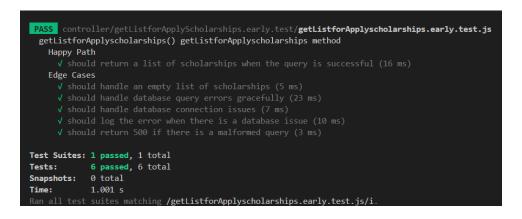
File ▲	\$ Statements \$	\$	Branches \$	\$	Functions \$	\$	Lines \$	\$
getScholarships.js	100%	10/10	100%	0/0	100%	1/1	100%	10/10

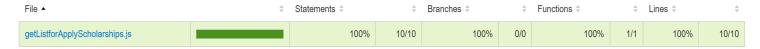
16) Apply for Scholarship

```
Test Suites: 1 failed, 1 total
Tests: 1 failed, 6 passed, 7 total
Snapshots: 0 total
Time: 0.876 s, estimated 4 s
Ran all test suites matching /applyForScholarship.early.test.js/i.
```

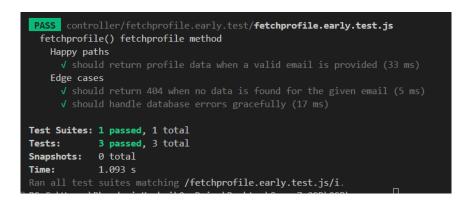


17) Get List for apply scholarship





18) Fetch Profile



File ▲	\$ Statements	\$	Branches	\$	Functions	\$	Lines \$	\$
fetchprofile.js	100%	15/15	100%	2/2	100%	2/2	100%	15/15

19) Get Applied Scholarships

```
PASS controller/getAppliedScholarships.early.test/getAppliedScholarships.early.test.js
getAppliedScholarships() getAppliedScholarships method
Happy Paths

v should return a list of scholarships for a valid email (14 ms)
Edge Cases
v should handle no scholarships found for the given email (3 ms)
v should handle database query errors gracefully (17 ms)
v should handle missing email in headers (7 ms)
v should handle database connection issues gracefully (9 ms)
v should handle a malformed SQL query gracefully (5 ms)

Test Suites: 1 passed, 1 total
Tests: 6 passed, 6 total
Snapshots: 0 total
Time: 0.87 s, estimated 1 s
Ran all test suites matching /getAppliedScholarships.early.test.js/i.
```

File ▲	\$ Statements	\$	Branches \$	\$	Functions \$	\$	Lines \$	\$
getAppliedScholarships.js	100%	11/11	100%	0/0	100%	1/1	100%	11/11

20) Get User Profile

→ Get user Profile

```
Happy Paths

✓ should return user profile when admin user is found (16 ms)

Edge Cases

✓ should return 404 when admin user is not found (5 ms)

✓ should return 500 on database error (15 ms)

× should handle missing email query parameter gracefully (10 ms)
```

```
Test Suites: 1 failed, 1 total
Tests: 1 failed, 3 passed, 4 total
Snapshots: 0 total
Time: 0.817 s, estimated 1 s
Ran all test suites matching /getUserProfile.early.test.js/i.
```

→ Update User Profile

```
PASS controller/getUserProfile.early.test/updateUserProfile.early.test.js

updateUserProfile() updateUserProfile method

Happy Paths

/ should update the username successfully when valid email and name are provided (14 ms)

Edge Cases

/ should return 400 if email is missing (2 ms)

/ should return 400 if name is missing (3 ms)

/ should return 404 if no user is found to update (4 ms)

/ should return 500 if there is a database error (9 ms)

Test Suites: 1 passed, 1 total

Tests: 5 passed, 5 total

Snapshots: 0 total

Time: 0.9 s

Ran all test suites matching /updateUserProfile.early.test.js/i.
```

F	ile •	\$	Statements \$	\$	Branches \$	\$	Functions \$	\$	Lines \$	\$	
g	etUserProfile.js		100%	27/27	100%	8/8	100%	2/2	100%	27/27	

21) Handel PDF urls

```
PASS controller/handelpdfurls.early.test/handelpdfurls.early.test.js
handelpdfurls() handelpdfurls method
Happy Paths

/ should return document URLs for a valid email (3 ms)

Edge Cases

/ should return 404 if no documents are found for the email

/ should handle database errors gracefully (19 ms)

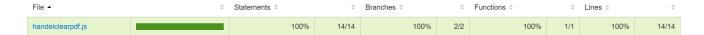
/ should return null for missing document fields

Test Suites: 1 passed, 1 total
Tests: 4 passed, 4 total
Snapshots: 0 total
Time: 0.986 s
Ran all test suites matching /handelpdfurls.early.test.js/i.
```

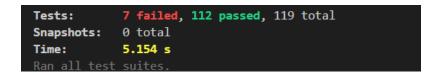
File ▲	\$ Statements	÷	Branches	\$	Functions	\$	Lines	\$
handelpdfurls.js	100%	14/14	77.77%	14/18	100%	1/1	100%	14/14

22) Handel Clear Pdf





Final Output





File •	\$ Statements ¢	‡	Branches ¢	\$	Functions \$	\$	Lines ‡	\$
ApplicantController.js	100%	19/19	100%	0/0	100%	2/2	100%	19/19
addScholarship.js	100%	17/17	100%	10/10	100%	1/1	100%	17/17
applyForScholarship.js	100%	17/17	100%	6/6	100%	1/1	100%	17/17
authUser.js	96.55%	28/29	90%	9/10	100%	3/3	96.55%	28/29
deleteScholarship.js	100%	15/15	100%	2/2	100%	1/1	100%	15/15
editScholarship.js	100%	29/29	100%	12/12	100%	1/1	100%	29/29
fetchprofile.js	100%	13/13	100%	2/2	100%	2/2	100%	13/13
getApplicantId.js	100%	12/12	100%	0/0	100%	1/1	100%	12/12
getApplicantsData.js	100%	12/12	100%	0/0	100%	1/1	100%	12/12
getAppliedScholarships.js	100%	11/11	100%	0/0	100%	1/1	100%	11/11
getListforApplyScholarships.js	100%	10/10	100%	0/0	100%	1/1	100%	10/10
getScholarship.js	100%	11/11	100%	0/0	100%	1/1	100%	11/11
getScholarships.js	100%	10/10	100%	0/0	100%	1/1	100%	10/10
getUserProfile.js	100%	27/27	100%	8/8	100%	2/2	100%	27/27
handelclearpdf.js	100%	14/14	100%	2/2	100%	1/1	100%	14/14
handelemail.js	100%	17/17	100%	2/2	100%	1/1	100%	17/17
handelpdfurls.js	100%	14/14	77.77%	14/18	100%	1/1	100%	14/14
registerUser.js	95%	19/20	85.71%	6/7	100%	1/1	95%	19/20
resetPass.js	97.22%	70/72	100%	21/21	100%	4/4	97.22%	70/72
statusUpdate.js	100%	11/11	100%	0/0	100%	1/1	100%	11/11