

# Test Coverage Summary

## Backend Test Coverage

ilim-backend

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Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
<a href="#">com.github.ilim.backend.service</a>	<div><div></div></div>	79%	<div><div></div></div>	63%	68	212	110	549	30	135	0	17
<a href="#">com.github.ilim.backend.auth</a>	<div><div></div></div>	39%	<div><div></div></div>	80%	10	20	52	92	8	15	1	3
<a href="#">com.github.ilim.backend.exception</a>	<div><div></div></div>	73%		n/a	16	62	33	125	16	62	0	8
<a href="#">com.github.ilim.backend.controller</a>	<div><div></div></div>	86%		50%	7	52	19	147	6	51	0	11
<a href="#">com.github.ilim.backend.dto</a>	<div><div></div></div>	84%	<div><div></div></div>	62%	14	41	21	143	4	25	1	14
<a href="#">com.github.ilim.backend.entity</a>	<div><div></div></div>	87%	<div><div></div></div>	40%	9	50	8	147	0	36	0	14
<a href="#">com.github.ilim.backend.config</a>	<div><div></div></div>	79%		n/a	2	12	10	42	2	12	0	3
<a href="#">com.github.ilim.backend.kafka</a>	<div><div></div></div>	11%	<div><div></div></div>	0%	2	3	10	11	1	2	0	1
<a href="#">com.github.ilim.backend.util.response</a>	<div><div></div></div>	71%		n/a	8	20	8	21	8	20	0	3
<a href="#">com.github.ilim.backend.util</a>		48%		n/a	4	8	4	11	4	8	0	2
<a href="#">com.github.ilim.backend</a>		54%		n/a	1	3	2	4	1	3	0	1
<a href="#">com.github.ilim.backend.exception.exceptions</a>	<div><div></div></div>	99%	<div><div></div></div>	85%	2	61	1	130	0	54	0	46
<a href="#">com.github.ilim.backend.enums</a>	<div><div></div></div>	100%	<div><div></div></div>	100%	0	25	0	36	0	11	0	8
Total	1,256 of 6,575	80%	90 of 255	64%	143	569	278	1,458	80	434	2	131

## Frontend Test Coverage

```
===== Coverage summary =====
Statements : 80.47% ( 371/461 )
Branches   : 73.1% ( 193/264 )
Functions  : 88.37% ( 76/86 )
Lines      : 81.16% ( 362/446 )
=====

Test Suites: 15 passed, 15 total
Tests:       71 passed, 71 total
Snapshots:   0 total
Time:        2.285 s
Ran all test suites.
(base) pranavraveendran@Pranavs-Laptop ENPM-613-FE %
```

## Integration Tests

ilim

> Admin

> Auth

> Course

> Module

> Quiz

> Student

Test Scenarios

1 Create Course

POST Sign In instructor

POST Inst can create course

GET Inst fetch his created courses list

GET Inst can get the created course

POST Sign In as Student

POST Student cant create coruse

1-2 Course Approval Scenario

2 Course Access

3 Module Managment

4 Video Managment

5 Quiz Managment

6 Quiz Attempt Managment

7 Course Managment

8 Instructor Application

Other Opeations

> User

> Video

Runner

Total Requests: 184, Passed: 184, Failed: 0

Test Scenarios/1 Create Course/Sign In instructor (200 )

res.status: eq 200

Test Scenarios/1 Create Course/Inst can create course (201 )

res.status: eq 201

Test Scenarios/1 Create Course/Inst fetch his created courses list (200 )

res.status: eq 200

Test Scenarios/1 Create Course/Inst can get the created course (200 )

res.status: eq 200

res.body.body.id: isDefined

Test Scenarios/1 Create Course/Sign In as Student (200 )

res.status: eq 200

Test Scenarios/1 Create Course/Student cant create coruse (401 )

res.status: eq 401

res.body: isEmpty

Test Scenarios/1-2 Course Approval Scenario/Sign In instructor (200 )

res.status: eq 200

Test Scenarios/1-2 Course Approval Scenario/Sign In Admin (200 )

res.status: eq 200

Test Scenarios/1-2 Course Approval Scenario/Inst creates course (201 )

res.status: eq 201

Test Scenarios/1-2 Course Approval Scenario/get courseId (200 )

res.status: eq 200

Test Scenarios/1-2 Course Approval Scenario/Inst submit course for approval (200 )

res.status: eq 200

Test Scenarios/1-2 Course Approval Scenario/check coruse is wait\_approval (200 )

res.status: eq 200

res.body.body.status: eq WAIT\_APPROVAL

Test Scenarios/1-2 Course Approval Scenario/Admin rejects course (200 )

res.status: eq 200

Test Scenarios/1-2 Course Approval Scenario/check coruse is draft again (200 )

res.status: eq 200

v1.34.2

## Endpoints covered in the Integrations tests

- ✓ <http://{{ilim-url}}/admin/approve-course/{{courseId}}>
- ✓ <http://{{ilim-url}}/admin/confirm-course-purchase>
- ✓ <http://{{ilim-url}}/admin/reject-course/{{courseId}}>
- ✓ <http://{{ilim-url}}/auth/sign-in>
- ✓ <http://{{ilim-url}}/course/{{courseId}}>
- ✓ <http://{{ilim-url}}/instructor/course/{{courseId}}/add-module>
- ✓ <http://{{ilim-url}}/instructor/course/{{courseId}}/submit-for-approval>
- ✓ <http://{{ilim-url}}/instructor/course/created>
- ✓ <http://{{ilim-url}}/instructor/create-course>
- ✓ <http://{{ilim-url}}/instructor/delete-module/{{moduleId}}>
- ✓ <http://{{ilim-url}}/instructor/delete-quiz/{{quizId}}>
- ✓ <http://{{ilim-url}}/instructor/delete-video/{{videoId}}>
- ✓ <http://{{ilim-url}}/instructor/module/{{moduleId}}/add-quiz>
- ✓ <http://{{ilim-url}}/instructor/module/{{moduleId}}/add-video>
- ✓ <http://{{ilim-url}}/instructor/quiz-attempt/{{quizId}}>
- ✓ <http://{{ilim-url}}/instructor/update-module/{{moduleId}}>
- ✓ <http://{{ilim-url}}/instructor/update-quiz/{{quizId}}>

- ✓ <http://{{ilim-url}}/instructor/update-video/{{videoid}}>
- ✓ <http://{{ilim-url}}/module/{{moduleid}}>
- ✓ <http://{{ilim-url}}/quiz/{{quizid}}>
- ✓ <http://{{ilim-url}}/student/attempt-quiz>
- ✓ <http://{{ilim-url}}/student/purchase-course/{{courseid}}>
- ✓ <http://{{ilim-url}}/student/quiz-attempt/{{quizid}}>
- ✓ <http://{{ilim-url}}/student/quiz-attempt/{{quizid}}/last>
- ✓ <http://{{ilim-url}}/user>
- ✓ <http://{{ilim-url}}/video/{{videoid}}>
- ✓ <http://{{ilim-url}}/admin/course/all>
- ✓ <http://{{ilim-url}}/admin/user/all>
- ✓ <http://{{ilim-url}}/admin/user/{{userid}}>
- ✓ <http://{{ilim-url}}/admin/instructor-application/all>
- ✓ <http://{{ilim-url}}/admin/instructor-application/all-pending>
- ✓ <http://{{ilim-url}}/admin/approve-instructor-application>
- ✓ <http://{{ilim-url}}/admin/reject-instructor-application>
- ✓ <http://{{ilim-url}}/student/instructor-application/submit>
- ✓ <http://{{ilim-url}}/student/instructor-application>
- ✓ <http://{{ilim-url}}/student/course/purchased>