

Table 8.2.1. Test Suite TS-001: Unit Tests

## TS-001: Unit Tests

Test Case ID	Test Stage	Test Case Description
TC-002	Unit	logout
TC-003	Acceptance	Register with untaken email and valid password
TC-004	Acceptance	Ask question
TC-005	Acceptance	answer quality feedback
TC-006	Unit	Connection to localhost
TC-007	Acceptance	Analyze question
TC-012	Unit	Connection to user database
TC-013	Unit	connection to question database
TC-025	Unit	Should access page / with no problems
TC-026	Unit	Should redirect to profile page if authenticated
TC-027	Unit	Should stay on login page if not authenticated
TC-028	Unit	Should not login user if there is no email provided or email is empty
TC-029	Unit	Should not login user if there is no password or password is empty
TC-030	Unit	Should not log in user if it is not a valid email
TC-031	Unit	Should not log in user if email doesn't exist
TC-032	Unit	Should not log in user if password is incorrect
TC-033	Unit	Should properly log in user if no problems
TC-034	Unit	User cannot register with empty first name
TC-035	Unit	user cannot register with empty last name
TC-036	Unit	user cannot register with empty email
TC-037	Unit	user cannot register with empty password
TC-038	Unit	user cannot register with empty account role
TC-039	Unit	user cannot register as an admin with no admin token
TC-040	Unit	user cannot register as an advisor with no advisor token
TC-041	Unit	User cannot register if invalid email
TC-042	Unit	a user cannot register with a taken email
TC-043	Unit	user should be saved as student in database if registered as student
TC-044	Unit	user should be saved as advisor in database if registered as advisor
TC-045	Unit	user should be saved as admin in database if registered as admin
TC-046	Unit	Should store user in database properly
TC-047	Unit	user should be redirected to login page if not logged in and accessing profile
TC-048	Unit	/profile should successfully navigate to profile if logged in

TC-049	Unit	profile should return error for invalid type
TC-050	Unit	it should connect to facebook for auth
TC-051	Unit	it should connect to twitter for auth
TC-052	Unit	should connect to google for auth
TC-053	Unit	should connect to linkedin for auth
TC-054	Unit	user should be redirected to login page if not logged in and accessing /inbox
TC-055	Unit	should access page /inbox with no problems if user is logged in
TC-056	Unit	user should be redirected to login page if not logged in and accessing /advising
TC-057	Unit	should not access /advising page if user is not and advisor
TC-058	Unit	should access page /advising with no problems if user is logged in as an advisor
TC-059	Unit	should logout with no problems
TC-060	Unit	user should be redirected to login page if not logged in and accessing /admin
TC-061	Unit	should not access page /admin if user is not an admin
TC-062	Unit	should access page /admin with no problems if user is logged in as an admin
TC-063	Unit	user should be redirected to login page if not logged in and accessing /QuestionAnswerManagement
TC-064	Unit	should not access /QuestionAnswerManagement page if user is not an admin
TC-065	Unit	Should access page /QuestionAnswerManagement with no problems if user is logged in as admin
TC-066	Unit	should redirect user to login page if not logged in as admin and accessing /postQuestionAnswer
TC-067	Unit	should return error if question is empty
TC-068	Unit	should find question in database
TC-069	Unit	user should be redirected to login page if not logged in and accessing /SystemManagement
TC-070	Unit	Should not access SystemManagement page if user is not an admin
TC-071	Unit	Should access page /SystemManagement with no problems if user is logged in as an admin

Table 8.2.2. Test Suite TS-002: User Acceptance Tests

TS-002: User Acceptance Tests

Test Case ID	Test Stage	Test Case Description
TC-001	Acceptance	Login with valid user and password
TC-014	Acceptance	The system should provide multiple responses to an answer
TC-015	Acceptance	The system should store data unique to the user
TC-017	Acceptance	Should answer within 5 seconds
TC-018	Acceptance	A user can login within 5 seconds
TC-019	Acceptance	A user should register within 5 seconds
TC-022	Acceptance	View Question Log

Table 8.2.3. Test Suite TS-003: Manual Tests

TS-003: Manual Tests

Test Case ID	Test Stage	Test Case Description
TC-008	Acceptance	submit profile
TC-009	Acceptance	generate assessment
TC-011	Acceptance	view assessment
TC-024	Acceptance	Log out after 1 hour of inactivity

Table 8.2.4. Test Case TC-002

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-002 (Unit Test)	
<b>What To Test</b>	logout	
<b>Test Data Input</b>		
<b>Expected Result</b>	User is logged out.	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-B
	<b>Relevant System Req.(s)</b>	SF-B-01
	<b>Relevant Use Case(s)</b>	UC-018
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Table 8.2.5. Test Case TC-006

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-006 (Unit Test)	
What To Test	Connection to localhost	
Test Data Input	localhost URL	
Expected Result	status code of 200 and no errors	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
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Table 8.2.6. Test Case TC-012

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-012 (Unit Test)	
What To Test	Connection to user database	
Test Data Input	user database URL	
Expected Result	a valid database variable that is not null	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
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Table 8.2.7. Test Case TC-013

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-013 (Unit Test)	
What To Test	connection to question database	
Test Data Input	question database url	
Expected Result	database variable that is not null	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
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Table 8.2.8. Test Case TC-025

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-025 (Unit Test)	
<b>What To Test</b>	Should access page / with no problems	
<b>Test Data Input</b>		
<b>Expected Result</b>	status code of 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.9. Test Case TC-026

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-026 (Unit Test)	
<b>What To Test</b>	Should redirect to profile page if authenticated	
<b>Test Data Input</b>	login information	
<b>Expected Result</b>	browser redirects, status code of 302, header location to be /profile	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.10. Test Case TC-027

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-027 (Unit Test)	
<b>What To Test</b>	Should stay on login page if not authenticated	
<b>Test Data Input</b>		
<b>Expected Result</b>	browser does not redirect, status code of 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.11. Test Case TC-028

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-028 (Unit Test)	
<b>What To Test</b>	Should not login user if there is no email provided or email is empty	
<b>Test Data Input</b>	login information with an empty email	
<b>Expected Result</b>	status code of 200, response text includes an error that states the email can't be empty	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.12. Test Case TC-029

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-029 (Unit Test)	
<b>What To Test</b>	Should not login user if there is no password or password is empty	
<b>Test Data Input</b>	login information with empty password	
<b>Expected Result</b>	status code of 200, response text is an error that states the password can't be empty	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.13. Test Case TC-030

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-030 (Unit Test)	
<b>What To Test</b>	Should not log in user if it is not a valid email	
<b>Test Data Input</b>	login information with an invalid email	
<b>Expected Result</b>	status code of 200, response text includes an error that states invalid email	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.14. Test Case TC-031

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-031 (Unit Test)	
<b>What To Test</b>	Should not log in user if email doesn't exist	
<b>Test Data Input</b>	login information with a email that doesn't exist	
<b>Expected Result</b>	status code of 200, response text is an error that includes can't find any user with that email	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.15. Test Case TC-032

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-032 (Unit Test)	
<b>What To Test</b>	Should not log in user if password is incorrect	
<b>Test Data Input</b>	login information with incorrect password	
<b>Expected Result</b>	status code of 200, response text that is an error with a password incorrect message	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.16. Test Case TC-033

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-033 (Unit Test)	
<b>What To Test</b>	Should properly log in user if no problems	
<b>Test Data Input</b>	login information	
<b>Expected Result</b>	response code of 200, response text stating login success	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.17. Test Case TC-034

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-034 (Unit Test)	
What To Test	User cannot register with empty first name	
Test Data Input	register information with no first name	
Expected Result	status code of 200, response text that is an error which includes name can't be empty	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
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Table 8.2.18. Test Case TC-035

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-035 (Unit Test)	
<b>What To Test</b>	user cannot register with empty last name	
<b>Test Data Input</b>	register information with empty last name	
<b>Expected Result</b>	status code of 200, response text that is an error with message name can't be empty	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.19. Test Case TC-036

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-036 (Unit Test)	
<b>What To Test</b>	user cannot register with empty email	
<b>Test Data Input</b>	register information with empty email	
<b>Expected Result</b>	status code of 200, response text that is an error with a message email can't be empty	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.20. Test Case TC-037

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-037 (Unit Test)	
<b>What To Test</b>	user cannot register with empty password	
<b>Test Data Input</b>	register information with empty password	
<b>Expected Result</b>	status code of 200 with the response text that is an error stating that the password can't be empty	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.21. Test Case TC-038

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-038 (Unit Test)	
<b>What To Test</b>	user cannot register with empty account role	
<b>Test Data Input</b>	register information with empty account role	
<b>Expected Result</b>	status code of 200, response text that is an error with message invalid account role	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.22. Test Case TC-039

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-039 (Unit Test)	
What To Test	user cannot register as an admin with no admin token	
Test Data Input	register information, setting account role to admin, without admin token	
Expected Result	status code of 200, response text that is an error with message missing admin token	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
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Table 8.2.23. Test Case TC-040

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-040 (Unit Test)	
What To Test	user cannot register as an advisor with no advisor token	
Test Data Input	register information, setting account role to advisor, with no advisor token	
Expected Result	status code of 200, response text that is an error with message invalid advisor token	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
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Table 8.2.24. Test Case TC-041

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-041 (Unit Test)	
<b>What To Test</b>	User cannot register if invalid email	
<b>Test Data Input</b>	register information with invalid email	
<b>Expected Result</b>	status code of 200, response text that is an error with message email not valid	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.25. Test Case TC-042

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-042 (Unit Test)	
<b>What To Test</b>	a user cannot register with a taken email	
<b>Test Data Input</b>	register information with taken email	
<b>Expected Result</b>	status code of 200, response text that is an error with message email already registered	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.26. Test Case TC-043

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-043 (Unit Test)	
<b>What To Test</b>	user should be saved as student in database if registered as student	
<b>Test Data Input</b>	register information, account role set to student	
<b>Expected Result</b>	user in database has role set to student	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.27. Test Case TC-044

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-044 (Unit Test)	
<b>What To Test</b>	user should be saved as advisor in database if registered as advisor	
<b>Test Data Input</b>	register information, account role set to advisor, valid token inputted	
<b>Expected Result</b>	user in database has role set to advisor	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.28. Test Case TC-045

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-045 (Unit Test)	
<b>What To Test</b>	user should be saved as admin in database if registered as admin	
<b>Test Data Input</b>	register information, account role set to admin, valid admin token	
<b>Expected Result</b>	user in database has admin as role	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.29. Test Case TC-046

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-046 (Unit Test)	
<b>What To Test</b>	Should store user in database properly	
<b>Test Data Input</b>	register information	
<b>Expected Result</b>	User's type, email, password, first name, last name, display name, and role are set to what was entered. status code of 200. response text that includes a message stating successfully registered	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.30. Test Case TC-047

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-047 (Unit Test)	
<b>What To Test</b>	user should be redirected to login page if not logged in and accessing profile	
<b>Test Data Input</b>		
<b>Expected Result</b>	browser redirects, status code of 302, header location of /login	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.31. Test Case TC-048

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-048 (Unit Test)	
<b>What To Test</b>	/profile should successfully navigate to profile if logged in	
<b>Test Data Input</b>	login information	
<b>Expected Result</b>	status code of 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.32. Test Case TC-049

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-049 (Unit Test)	
<b>What To Test</b>	profile should return error for invalid type	
<b>Test Data Input</b>	change user database to have a type that is not valid	
<b>Expected Result</b>	status code of 200, response text of request user type is unexcepted	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.33. Test Case TC-050

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-050 (Unit Test)	
<b>What To Test</b>	it should connect to facebook for auth	
<b>Test Data Input</b>		
<b>Expected Result</b>	status code of 302, header location that includes facebook	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.34. Test Case TC-051

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-051 (Unit Test)	
<b>What To Test</b>	it should connect to twitter for auth	
<b>Test Data Input</b>		
<b>Expected Result</b>	status code of 302, header location of twitter	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.35. Test Case TC-052

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-052 (Unit Test)	
<b>What To Test</b>	should connect to google for auth	
<b>Test Data Input</b>		
<b>Expected Result</b>	status code of 302, header location includes googles	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.36. Test Case TC-053

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-053 (Unit Test)	
<b>What To Test</b>	should connect to linkedin for auth	
<b>Test Data Input</b>		
<b>Expected Result</b>	status code of 302, header location includes linkedin	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.37. Test Case TC-054

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-054 (Unit Test)	
<b>What To Test</b>	user should be redirected to login page if not logged in and accessing /inbox	
<b>Test Data Input</b>		
<b>Expected Result</b>	browser redirects, status code of 302, header location of /login	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.38. Test Case TC-055

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-055 (Unit Test)	
<b>What To Test</b>	should access page /inbox with no problems if user is logged in	
<b>Test Data Input</b>		
<b>Expected Result</b>	response code of 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.39. Test Case TC-056

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-056 (Unit Test)	
<b>What To Test</b>	user should be redirected to login page if not logged in and accessing /advising	
<b>Test Data Input</b>		
<b>Expected Result</b>	browser redirects, status code of 302, header location of /login	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.40. Test Case TC-057

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-057 (Unit Test)	
<b>What To Test</b>	should not access /advising page if user is not and advisor	
<b>Test Data Input</b>		
<b>Expected Result</b>	status code is not equal to 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.41. Test Case TC-058

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-058 (Unit Test)	
<b>What To Test</b>	should access page /advising with no problems if user is logged in as an advisor	
<b>Test Data Input</b>	logged in as advisor	
<b>Expected Result</b>	status code of 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.42. Test Case TC-059

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-059 (Unit Test)	
<b>What To Test</b>	should logout with no problems	
<b>Test Data Input</b>		
<b>Expected Result</b>	status code of 302, header location is /	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.43. Test Case TC-060

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-060 (Unit Test)	
<b>What To Test</b>	user should be redirected to login page if not logged in and accessing /admin	
<b>Test Data Input</b>		
<b>Expected Result</b>	browser redirects, status code of 302, header location of /login	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.44. Test Case TC-061

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-061 (Unit Test)	
<b>What To Test</b>	should not access page /admin if user is not an admin	
<b>Test Data Input</b>		
<b>Expected Result</b>	status code not equal to 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.45. Test Case TC-062

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-062 (Unit Test)	
<b>What To Test</b>	should access page /admin with no problems if user is logged in as an admin	
<b>Test Data Input</b>	logged in as an admin	
<b>Expected Result</b>	status code of 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.46. Test Case TC-063

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-063 (Unit Test)	
<b>What To Test</b>	user should be redirected to login page if not logged in and accessing /QuestionAnswerManagement	
<b>Test Data Input</b>		
<b>Expected Result</b>	browser redirects, status code 302, header location of /login	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.47. Test Case TC-064

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-064 (Unit Test)	
<b>What To Test</b>	should not access /QuestionAnswerManagement page if user is not an admin	
<b>Test Data Input</b>	logged in as a non-admin (advisor or student) or not logged in	
<b>Expected Result</b>	status code not equal to 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.48. Test Case TC-065

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-065 (Unit Test)	
<b>What To Test</b>	Should access page /QuestionAnswerManagement with no problems if user is logged in as admin	
<b>Test Data Input</b>	logged in as admin	
<b>Expected Result</b>	status code of 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.49. Test Case TC-066

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-066 (Unit Test)	
<b>What To Test</b>	should redirect user to login page if not logged in as admin and accessing /postQuestionAnswer	
<b>Test Data Input</b>		
<b>Expected Result</b>	browser redirects, status code of 302, header location of /login	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.50. Test Case TC-067

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-067 (Unit Test)	
<b>What To Test</b>	should return error if question is empty	
<b>Test Data Input</b>	post an empty question	
<b>Expected Result</b>	status code of 200, response text includes question cannot be empty	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.51. Test Case TC-068

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-068 (Unit Test)	
<b>What To Test</b>	should find question in database	
<b>Test Data Input</b>	logged in as admin	
<b>Expected Result</b>	expect question asked to be in database and response text includes success	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.52. Test Case TC-069

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-069 (Unit Test)	
<b>What To Test</b>	user should be redirected to login page if not logged in and accessing /SystemManagement	
<b>Test Data Input</b>		
<b>Expected Result</b>	browser redirects, status code of 302, header location of /login	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.53. Test Case TC-070

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-070 (Unit Test)	
<b>What To Test</b>	Should not access SystemManagement page if user is not an admin	
<b>Test Data Input</b>	logged in user that is not an admin	
<b>Expected Result</b>	response code that is not 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.54. Test Case TC-071

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-071 (Unit Test)	
<b>What To Test</b>	Should access page /SystemManagement with no problems if user is logged in as an admin	
<b>Test Data Input</b>	logged in as an admin	
<b>Expected Result</b>	browser does not redirect, status code of 200	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	
	<b>Relevant System Req.(s)</b>	
	<b>Relevant Use Case(s)</b>	
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Table 8.2.55. Test Case TC-001

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-002: User Acceptance Tests	
<b>Test Case ID</b>	TC-001 (Acceptance Test)	
<b>What To Test</b>	Login with valid user and password	
<b>Test Data Input</b>	valid username, valid password	
<b>Expected Result</b>	User is logged in	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-A
	<b>Relevant System Req.(s)</b>	SF-A-01
	<b>Relevant Use Case(s)</b>	UC-016
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Table 8.2.56. Test Case TC-003

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-003 (Acceptance Test)	
<b>What To Test</b>	Register with untaken email and valid password	
<b>Test Data Input</b>	untaken email, valid password	
<b>Expected Result</b>	User is entered into database.	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-F
	<b>Relevant System Req.(s)</b>	SF-F-01
	<b>Relevant Use Case(s)</b>	UC-004
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Table 8.2.57. Test Case TC-004

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-004 (Acceptance Test)	
<b>What To Test</b>	Ask question	
<b>Test Data Input</b>	question string	
<b>Expected Result</b>	Question is logged to database and proper response is displayed	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-C
	<b>Relevant System Req.(s)</b>	SF-C-01,SF-C-04
	<b>Relevant Use Case(s)</b>	UC-011
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Table 8.2.58. Test Case TC-005

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-005 (Acceptance Test)	
<b>What To Test</b>	answer quality feedback	
<b>Test Data Input</b>	feedback	
<b>Expected Result</b>	feedback is stored in database, thank you message is displayed	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-H
	<b>Relevant System Req.(s)</b>	SF-H-01
	<b>Relevant Use Case(s)</b>	UC-010
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Table 8.2.59. Test Case TC-007

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-001: Unit Tests	
<b>Test Case ID</b>	TC-007 (Acceptance Test)	
<b>What To Test</b>	Analyze question	
<b>Test Data Input</b>	question with ambiguous response	
<b>Expected Result</b>	another question to make answer less ambiguous	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-C,UF-D
	<b>Relevant System Req.(s)</b>	SF-C-01,SF-C-04,SF-D-01
	<b>Relevant Use Case(s)</b>	UC-012
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Table 8.2.60. Test Case TC-008

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-003: Manual Tests	
<b>Test Case ID</b>	TC-008 (Acceptance Test)	
<b>What To Test</b>	submit profile	
<b>Test Data Input</b>	new profile information	
<b>Expected Result</b>	profile information is stored to database	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-E
	<b>Relevant System Req.(s)</b>	SF-E-01,SF-E-02
	<b>Relevant Use Case(s)</b>	UC-013
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Table 8.2.61. Test Case TC-009

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-003: Manual Tests	
<b>Test Case ID</b>	TC-009 (Acceptance Test)	
<b>What To Test</b>	generate assessment	
<b>Test Data Input</b>	descriptive text, yes to saving assessment, yes to visible to advisors	
<b>Expected Result</b>	assessment is stored to database with true visibility	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-E,UP-01
	<b>Relevant System Req.(s)</b>	SF-E-04,SF-E-05,SP-01-01
	<b>Relevant Use Case(s)</b>	UC-015
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Table 8.2.62. Test Case TC-011

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-003: Manual Tests	
<b>Test Case ID</b>	TC-011 (Acceptance Test)	
<b>What To Test</b>	view assessment	
<b>Test Data Input</b>		
<b>Expected Result</b>	assessment is displayed	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-E
	<b>Relevant System Req.(s)</b>	SF-E-03
	<b>Relevant Use Case(s)</b>	UC-005
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Table 8.2.63. Test Case TC-014

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-002: User Acceptance Tests	
<b>Test Case ID</b>	TC-014 (Acceptance Test)	
<b>What To Test</b>	The system should provide multiple responses to an answer	
<b>Test Data Input</b>	question	
<b>Expected Result</b>	more than 1 answer	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-D
	<b>Relevant System Req.(s)</b>	SF-D-01
	<b>Relevant Use Case(s)</b>	
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Table 8.2.64. Test Case TC-015

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-002: User Acceptance Tests	
<b>Test Case ID</b>	TC-015 (Acceptance Test)	
<b>What To Test</b>	The system should store data unique to the user	
<b>Test Data Input</b>	question	
<b>Expected Result</b>	User in database will have unique information stored	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-E
	<b>Relevant System Req.(s)</b>	SF-E-04
	<b>Relevant Use Case(s)</b>	UC-013
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Table 8.2.65. Test Case TC-017

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-002: User Acceptance Tests	
<b>Test Case ID</b>	TC-017 (Acceptance Test)	
<b>What To Test</b>	Should answer within 5 seconds	
<b>Test Data Input</b>	question	
<b>Expected Result</b>	answer within 5 seconds	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UP-03
	<b>Relevant System Req.(s)</b>	SP-03-01
	<b>Relevant Use Case(s)</b>	
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Table 8.2.66. Test Case TC-018

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-002: User Acceptance Tests	
<b>Test Case ID</b>	TC-018 (Acceptance Test)	
<b>What To Test</b>	A user can login within 5 seconds	
<b>Test Data Input</b>	login information	
<b>Expected Result</b>	user logs in within 5 seconds	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-A
	<b>Relevant System Req.(s)</b>	SF-A-01
	<b>Relevant Use Case(s)</b>	UC-016
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Table 8.2.67. Test Case TC-019

Project Name:	Intelligent Academic Planner	
Test Suite	TS-002: User Acceptance Tests	
Test Case ID	TC-019 (Acceptance Test)	
What To Test	A user should register within 5 seconds	
Test Data Input	register information	
Expected Result	user is registered within 5 seconds	
Traceability	Relevant User Req.(s)	UF-F
	Relevant System Req.(s)	SF-F-01
	Relevant Use Case(s)	UC-004
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Table 8.2.68. Test Case TC-022

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-002: User Acceptance Tests	
<b>Test Case ID</b>	TC-022 (Acceptance Test)	
<b>What To Test</b>	View Question Log	
<b>Test Data Input</b>		
<b>Expected Result</b>	Question Log is displayed	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UF-G
	<b>Relevant System Req.(s)</b>	SF-G-01
	<b>Relevant Use Case(s)</b>	UC-006
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Table 8.2.69. Test Case TC-024

<b>Project Name:</b>	<b>Intelligent Academic Planner</b>	
<b>Test Suite</b>	TS-003: Manual Tests	
<b>Test Case ID</b>	TC-024 (Acceptance Test)	
<b>What To Test</b>	Log out after 1 hour of inactivity	
<b>Test Data Input</b>		
<b>Expected Result</b>	User is logged out after 1 hour of inactivity	
<b>Traceability</b>	<b>Relevant User Req.(s)</b>	UO-01
	<b>Relevant System Req.(s)</b>	SO-01-01
	<b>Relevant Use Case(s)</b>	
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