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

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-002 (Unit Test)	
What To Test	logout	
Test Data Input		
Expected Result	User is logged out.	
Traceability	Relevant User Req.(s)	UF-B
	Relevant System Req.(s)	SF-B-01
	Relevant Use Case(s)	UC-018
Acknowledgment: Generated from the CapStone process management system ©2015		

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)	
Acknowledgment: Generated from the CapStone process management system ©2015		

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)	
Acknowledgment: Generated from the CapStone process management system ©2015		

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)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.8. Test Case TC-025

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-025 (Unit Test)	
What To Test	Should access page / with no problems	
Test Data Input		
Expected Result	status code of 200	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.9. Test Case TC-026

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-026 (Unit Test)	
What To Test	Should redirect to profile page if authenticated	
Test Data Input	login information	
Expected Result	browser redirects, status code of 302, header location to be /profile	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.10. Test Case TC-027

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-027 (Unit Test)	
What To Test	Should stay on login page if not authenticated	
Test Data Input		
Expected Result	browser does not redirect, status code of 200	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.11. Test Case TC-028

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-028 (Unit Test)	
What To Test	Should not login user if there is no email provided or email is empty	
Test Data Input	login information with an empty email	
Expected Result	status code of 200, response text includes an error that states the email can't be empty	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.12. Test Case TC-029

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-029 (Unit Test)	
What To Test	Should not login user if there is no password or password is empty	
Test Data Input	login information with empty password	
Expected Result	status code of 200, response text is an error that states the password can't be empty	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.13. Test Case TC-030

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-030 (Unit Test)	
What To Test	Should not log in user if it is not a valid email	
Test Data Input	login information with an invalid email	
Expected Result	status code of 200, response text includes an error that states invalid email	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.14. Test Case TC-031

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-031 (Unit Test)	
What To Test	Should not log in user if email doesn't exist	
Test Data Input	login information with a email that doesn't exist	
Expected Result	status code of 200, response text is an error that includes can't find any user with that email	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.15. Test Case TC-032

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-032 (Unit Test)	
What To Test	Should not log in user if password is incorrect	
Test Data Input	login information with incorrect password	
Expected Result	status code of 200, response text that is an error with a password incorrect message	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.16. Test Case TC-033

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-033 (Unit Test)	
What To Test	Should properly log in user if no problems	
Test Data Input	login information	
Expected Result	response code of 200, response text stating login success	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

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)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.18. Test Case TC-035

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-035 (Unit Test)	
What To Test	user cannot register with empty last name	
Test Data Input	register information with empty last name	
Expected Result	status code of 200, response text that is an error with message name can't be empty	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.19. Test Case TC-036

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-036 (Unit Test)	
What To Test	user cannot register with empty email	
Test Data Input	register information with empty email	
Expected Result	status code of 200, response text that is an error with a message email can't be empty	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.20. Test Case TC-037

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

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-038 (Unit Test)	
What To Test	user cannot register with empty account role	
Test Data Input	register information with empty account role	
Expected Result	status code of 200, response text that is an error with message invalid account role	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

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

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

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-042 (Unit Test)	
What To Test	a user cannot register with a taken email	
Test Data Input	register information with taken email	
Expected Result	status code of 200, response text that is an error with message email already registered	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.26. Test Case TC-043

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-043 (Unit Test)	
What To Test	user should be saved as student in database if registered as student	
Test Data Input	register information, account role set to student	
Expected Result	user in database has role set to student	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.27. Test Case TC-044

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

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

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-046 (Unit Test)	
What To Test	Should store user in database properly	
Test Data Input	register information	
Expected Result	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	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
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Table 8.2.30. Test Case TC-047

Project Name:	Intelligent Academic Planner		
Test Suite	TS-001: Unit Tests		
Test Case ID	TC-047 (Unit Test)		
What To Test	user should be redirected to login page if not logged in and accessing profile		
Test Data Input			
Expected Result	browser redirects, status code of 302, header location of /login		
Traceability	Relevant User Req.(s)		
	Relevant System Req.(s)		
	Relevant Use Case(s)		
Acknowledgment: Generated from the CapStone process management system ©2015			

Table 8.2.31. Test Case TC-048

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

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-049 (Unit Test)	
What To Test	profile should return error for invalid type	
Test Data Input	change user database to have a type that is not valid	
Expected Result	status code of 200, response text of request user type is unexcepted	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.33. Test Case TC-050

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

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

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

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-053 (Unit Test)	
What To Test	should connect to linkedin for auth	
Test Data Input		
Expected Result	status code of 302, header location includes linkedin	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.37. Test Case TC-054

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-054 (Unit Test)	
What To Test	user should be redirected to login page if not logged in and accessing /inbox	
Test Data Input		
Expected Result	browser redirects, status code of 302, header location of /login	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.38. Test Case TC-055

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

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

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-057 (Unit Test)	
What To Test	should not access /advising page if user is not and advisor	
Test Data Input		
Expected Result	status code is not equal to 200	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.41. Test Case TC-058

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-058 (Unit Test)	
What To Test	should access page /advising with no problems if user is logged in as an advisor	
Test Data Input	logged in as advisor	
Expected Result	status code of 200	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.42. Test Case TC-059

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

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-060 (Unit Test)	
What To Test	user should be redirected to login page if not logged in and accessing /admin	
Test Data Input		
Expected Result	browser redirects, status code of 302, header location of /login	
Traceability	Relevant User Req.(s)	
	Relevant System Req.(s)	
	Relevant Use Case(s)	
Acknowledgment: Generated from the CapStone process management system ©2015		

Table 8.2.44. Test Case TC-061

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

Project Name:	Intelligent Academic Planner		
Test Suite	TS-001: Unit Tests		
Test Case ID	TC-062 (Unit Test)		
What To Test	should access page /admin with no problems if user is logged in as an admin		
Test Data Input	logged in as an admin		
Expected Result	status code of 200		
Traceability	Relevant User Req.(s)		
	Relevant System Req.(s)		
	Relevant Use Case(s)		
Acknowledgment: Generated from the CapStone process management system ©2015			

Table 8.2.46. Test Case TC-063

Project Name:	Intelligent Academic Planner		
Test Suite	TS-001: Unit Tests		
Test Case ID	TC-063 (Unit Test)		
What To Test	user should be redirected to login page if not logged in and accessing /QuestionAnswerManagement		
Test Data Input			
Expected Result	browser redirects, status code 302, header location of /login		
Traceability	Relevant User Req.(s)		
	Relevant System Req.(s)		
	Relevant Use Case(s)		
Acknowledgment: Generated from the CapStone process management system ©2015			

Table 8.2.47. Test Case TC-064

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

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

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

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

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

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

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

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

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

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-003 (Acceptance Test)	
What To Test	Register with untaken email and valid password	
Test Data Input	untaken email, valid password	
Expected Result	User is entered into database.	
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 8.2.57. Test Case TC-004

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

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

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

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

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

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

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

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

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

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

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

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