Table 8.2.1. Test Suite TS-001: Unit Tests

TS-001: Unit Tests

Test Case ID	Test Stage	Test Case Description
TC-001	Unit	Login with valid user and password
TC-002	Unit	logout
TC-003	Unit	Register with untaken email and valid password
TC-004	Unit	Ask question
TC-005	Unit	answer quality feedback
TC-006	Unit	Real time translation
TC-007	Unit	Analyze question
TC-008	Unit	submit profile
TC-009	Unit	generate assessment and save with visbility
TC-010	Unit	Respond yes to request
TC-011	Unit	view assessment
TC-012	Unit	train watson
TC-013	Unit	Login with incorrect password
TC-014	Unit	Login with incorrect username
TC-015	Unit	Login with both incorrect username and password
TC-016	Unit	Respond no to Request
TC-017	Unit	Register with invalid password
TC-018	Unit	Register with taken email
TC-019	Unit	Register with both taken email and invalid password
TC-020	Unit	Generate assessment and save with false visiblity
TC-021	Unit	Generate Assessment and do not save
TC-022	Unit	View Question Log
TC-023	Unit	Ask Question performance
TC-024	Unit	Log out after 1 hour of inactivity

Table 8.2.2. Test Case TC-001

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-001 (Unit 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 8.2.3. 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
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Table 8.2.4. Test Case TC-003

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-003 (Unit 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 8.2.5. Test Case TC-004

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-004 (Unit 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-02,SF-C-03,SF-C-04,SF-C-05
	Relevant Use Case(s)	UC-011
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Table 8.2.6. Test Case TC-005

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-005 (Unit 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 8.2.7. 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	Real time translation	
Test Data Input	non-english text	
Expected Result	english text	
Traceability	Relevant User Req.(s)	UF-C
	Relevant System Req.(s)	SF-C-02
	Relevant Use Case(s)	UC-009
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Table 8.2.8. Test Case TC-007

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-007 (Unit 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-03,SF-C-04,SF-C-05,SF-D-01
	Relevant Use Case(s)	UC-012
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Table 8.2.9. Test Case TC-008

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-008 (Unit 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 8.2.10. Test Case TC-009

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-009 (Unit Test)	
What To Test	generate assessment and save with visbility	
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 8.2.11. Test Case TC-010

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-010 (Unit Test)	
What To Test	Respond yes to request	
Test Data Input	yes to request	
Expected Result	assessment is visible to person that requested it	
Traceability	Relevant User Req.(s)	UF-E
	Relevant System Req.(s)	SF-E-05
	Relevant Use Case(s)	UC-001
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Table 8.2.12. Test Case TC-011

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-011 (Unit 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 8.2.13. 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	train watson	
Test Data Input	answer question pair	
Expected Result	question is properly answered when asked	
Traceability	Relevant User Req.(s)	UF-H
	Relevant System Req.(s)	
	Relevant Use Case(s)	UC-007
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Table 8.2.14. 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	Login with incorrect password	
Test Data Input	correct username, incorrect password	
Expected Result	User is not logged in. Error message is displayed	
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 8.2.15. Test Case TC-014

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-014 (Unit Test)	
What To Test	Login with incorrect username	
Test Data Input	incorrect username, correct password	
Expected Result	User is not logged in. Error message is displayed.	
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 8.2.16. Test Case TC-015

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-015 (Unit Test)	
What To Test	Login with both incorrect username and password	
Test Data Input	incorrect username, incorrect password	
Expected Result	User is not logged in. Error message is displayed.	
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 8.2.17. Test Case TC-016

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-016 (Unit Test)	
What To Test	Respond no to Request	
Test Data Input	no to request	
Expected Result	no changes made to visibility	
Traceability	Relevant User Req.(s)	UF-E
	Relevant System Req.(s)	SF-E-05
	Relevant Use Case(s)	UC-001
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Table 8.2.18. Test Case TC-017

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-017 (Unit Test)	
What To Test	Register with invalid password	
Test Data Input	untaken email, invalid password	
Expected Result	User is not stored in database. Error message indicating invalid password displayed.	
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 8.2.19. Test Case TC-018

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-018 (Unit Test)	
What To Test	Register with taken email	
Test Data Input	taken email, valid password	
Expected Result	User is not entered into database. Error is displayed indicating email is taken.	
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 8.2.20. Test Case TC-019

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-019 (Unit Test)	
What To Test	Register with both taken email and invalid password	
Test Data Input	taken email, invalid password	
Expected Result	User is not entered into database. Error is displayed indicating taken email.	
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 8.2.21. Test Case TC-020

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-020 (Unit Test)	
What To Test	Generate assessment and save with false visiblity	
Test Data Input	descriptive text, yes to saving assessment, no to visible to advisors	
Expected Result	Assessment is stored to database with false visibility	
Traceability	Relevant User Req.(s)	UF-E
	Relevant System Req.(s)	SF-E-04,SF-E-05
	Relevant Use Case(s)	UC-015
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Table 8.2.22. Test Case TC-021

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-021 (Unit Test)	
What To Test	Generate Assessment and do not save	
Test Data Input	descriptive text, no to saving assessment	
Expected Result	Assessment is not stored to database.	
Traceability	Relevant User Req.(s)	UF-E
	Relevant System Req.(s)	SF-E-04,SF-E-05
	Relevant Use Case(s)	UC-015
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Table 8.2.23. Test Case TC-022

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-022 (Unit 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 8.2.24. Test Case TC-023

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-023 (Unit Test)	
What To Test	Ask Question performance	
Test Data Input	Question with known answer	
Expected Result	Answer is received within 5 seconds	
Traceability	Relevant User Req.(s)	UP-03
	Relevant System Req.(s)	SP-03-01
	Relevant Use Case(s)	UC-011
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Table 8.2.25. Test Case TC-024

Project Name:	Intelligent Academic Planner	
Test Suite	TS-001: Unit Tests	
Test Case ID	TC-024 (Unit 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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