



---

**Team 15**

**Easy C++**

**Software Test Plan (STP)**

**Version: 1.0**

**Gmn\_SE15\_v1.0**

**Revision History**

<b>Sl. No.</b>	<b>Prepared/ Modified by</b>	<b>E-mail</b>	<b>Version</b>	<b>Date</b>	<b>Approved by</b>	<b>Descriptions/ Remarks</b>
1.	Kareem Omar	<a href="mailto:kareemomar96@gmail.com">kareemomar96@gmail.com</a>	2.0	3/5/2018	Awaiting approval	
	Mohamed Talaat	mohamedtalaat0111790@gmail.com	2.1	8/5/2018		

Easy C++	CM-identifier: Gmn_SE15_v1.0
Software Test Plan	Date: 30/4/2018

### Distribution list

Name	E-mail	Notes
Eng. Ali Elseddeek	<a href="mailto:alielseddeek@gmail.com">alielseddeek@gmail.com</a>	For approval

Easy C++	CM-identifier: Gmn_SE15_v1.0
Software Test Plan	Date: 30/4/2018

## Table of Contents

1. Overview	5
2. Test Methodology	5
2.1 Testing Environment	5
2.2 Functional Testing	5
5.1 Non-functional Testing	67
5.1.1 Performance Testing	67
5.1.2 Quality Testing	67
5.1.3 Interface Testing	67
6. References	67
7. Glossary	67
Appendices	67

Easy C++	CM-identifier: Gmn_SE15_v1.0
Software Test Plan	Date: 30/4/2018

## **1. Overview**

The objective of the following test is to ensure that the final product is functioning as intended. We will test (have tested) the project on many levels and aspects which will be described in section 2 in this document.

## **2. Test Methodology**

### **2.1 Testing Environment**

The entirety of test below is done manually either by building the app and testing the required functionality (in functional testing), or by weighing actual non-functional requirements against expected values (also manually). The android emulator built-in with Android Studio© with used in conjunction with the team's phones.

### **2.2 Functional Testing**

Functional Testing will include a test cases with the purpose of testing an activity or a

<b>TC_01</b>	<b>Running test</b>
<b>Purpose:</b>	Making sure that the app starts and shows the main activity
<b>Prerequisite:</b>	none
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	After building the app the tester runs it either in a simulator or on an actual device.
<b>Expected Results:</b>	Program runs and starts successfully. Login screen shows.
<b>Actual Results:</b>	Program runs and starts successfully. Login screen shows.
<b>State:</b>	pass
<b>Issue #:</b>	None (in the current build)
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Kareem Omar</b>

<b>TC_02a</b>	<b>Registration test (empty)</b>
<b>Purpose:</b>	Empty fields are checked in registration
<b>Prerequisite:</b>	Ability to start app
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-opening the app 2-tapping on registration button 3-leaving field(s) empty 4-press create account
<b>Expected Results:</b>	Message show “please fill the required fields”
<b>Actual Results:</b>	Message show “please fill the required fields”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Kareem Omar</b>

<b>TC_02b</b>	<b>Registration test (incorrect email)</b>
<b>Purpose:</b>	Incorrect email address check
<b>Prerequisite:</b>	Ability to start app
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-opening the app 2-tapping on registration button 3-enter invalid email 4-press create account
<b>Expected Results:</b>	Message show “please enter real email”
<b>Actual Results:</b>	Message show “please enter real email”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Kareem Omar</b>



<b>TC_02c</b>	<b>Registration test (insecure pass)</b>
<b>Purpose:</b>	Short and insecure passwords are checked
<b>Prerequisite:</b>	Ability to start app
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-opening the app 2-tapping on registration button 3-enter valid data but insecure password 4-press create account
<b>Expected Results:</b>	Message show “please enter a more secure password”
<b>Actual Results:</b>	Message show “please enter a more secure password”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Kareem Omar</b>

<b>TC_02d</b>	<b>Registration test (valid)</b>
<b>Purpose:</b>	Intended behavior in case of valid data
<b>Prerequisite:</b>	Ability to start app
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-opening the app 2-tapping on registration button 3-enter valid data (pass, email,...etc) 4-press create account
<b>Expected Results:</b>	Message show "wait while we check username"
<b>Actual Results:</b>	Message show "wait while we check username"
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Kareem Omar</b>

<b>TC_03a</b>	<b>Login test (empty fields)</b>
<b>Purpose:</b>	Test response in case of empty fields at login
<b>Prerequisite:</b>	Ability to start app
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-open app 2-leave username / password field(s) empty 3-press log in
<b>Expected Results:</b>	Message show “you did not enter a user name or a password”
<b>Actual Results:</b>	Message show “you did not enter a user name or a password”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Kareem Omar</b>

<b>TC_03b</b>	<b>Login test (incorrect data)</b>
<b>Purpose:</b>	Test response in case of empty fields at login
<b>Prerequisite:</b>	Ability to start app
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-open app 2-enter incorrect data 3-press log in
<b>Expected Results:</b>	Message show “user name or password is incorrect”
<b>Actual Results:</b>	Message show “user name or password is incorrect”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Kareem Omar</b>

<b>TC_03c</b>	<b>Login test (correct data)</b>
<b>Purpose:</b>	Test response in case of empty fields at login
<b>Prerequisite:</b>	Having an account in the database
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-open app 2-enter correct username/password 3-press log in
<b>Expected Results:</b>	Opens home screen
<b>Actual Results:</b>	Opens home screen
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Kareem Omar</b>

<b>TC_04a</b>	<b>Change username (new name not in the database)</b>
<b>Purpose:</b>	Testing changing username
<b>Prerequisite:</b>	Logging in successfully
<b>Priority:</b>	<b>Low Priority</b>
<b>Steps:</b>	1-logging in 2-open options menu 3-changing username with original name
<b>Expected Results:</b>	showing new username on logging in again
<b>Actual Results:</b>	showing new username on logging in again
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Khalid Sabry</b>

<b>TC_04b</b>	<b>Change username (new name already exists)</b>
<b>Purpose:</b>	Testing changing username with one that already exists in the database
<b>Prerequisite:</b>	Logging in successfully
<b>Priority:</b>	<b>Low Priority</b>
<b>Steps:</b>	1-logging in 2-open options menu 3-changing username with unoriginal one (to the database)
<b>Expected Results:</b>	Error message that the name already exists
<b>Actual Results:</b>	Error message that the name already exists
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Khalid Sabry</b>

<b>TC_04c</b>	<b>Change password(old pass verification)</b>
<b>Purpose:</b>	Testing changing password using old password on signing in again
<b>Prerequisite:</b>	Logging in successfully
<b>Priority:</b>	<b>Low Priority</b>
<b>Steps:</b>	1-logging in 2-open options menu 3-changing password 4-sign out 5-sign in with old password
<b>Expected Results:</b>	Message shows "incorrect password"
<b>Actual Results:</b>	Message shows "incorrect password"
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Khalid Sabry</b>



<b>TC_04d</b>	<b>Change password(new pass verification)</b>
<b>Purpose:</b>	Testing changing password using old password on signing in again
<b>Prerequisite:</b>	Logging in successfully
<b>Priority:</b>	<b>Low Priority</b>
<b>Steps:</b>	1-logging in 2-open options menu 3-changing password 4-sign out 5-sign in with new password
<b>Expected Results:</b>	Home screen opens
<b>Actual Results:</b>	Home screen opens
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes</b> and <b>Questions:</b>	
<b>Tester Name:</b>	<b>Khalid Sabry</b>

<b>TC_05a</b>	<b>Categories activity test</b>
<b>Purpose:</b>	Categories screen display correct information.
<b>Prerequisite:</b>	Logged in as student successfully
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-opening categories 2-validation
<b>Expected Results:</b>	Screen shows categories in order
<b>Actual Results:</b>	Screen shows categories in order
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes</b> <b>and</b>	
<b>Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

<b>TC_05b</b>	<b>Categories sub-topics test</b>
<b>Purpose:</b>	Categories show their sub topics
<b>Prerequisite:</b>	Categories activity opens successfully
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-opening categories 2-choose category 3-validate 4-repeat 2,3
<b>Expected Results:</b>	Each category displays its topics in order
<b>Actual Results:</b>	Each category displays its topics in order
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

<b>TC_05c</b>	<b>Categories topics test</b>
<b>Purpose:</b>	topics screen display correct information.
<b>Prerequisite:</b>	Categories activity is functional
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-opening categories 2-choose category 3-choose topic 4-validate 5-repeat 2,3,4
<b>Expected Results:</b>	Screen shows each topic's code, explanation and output
<b>Actual Results:</b>	Screen shows each topic's code, explanation and output
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

<b>TC_06a</b>	<b>Admin test (home screen)</b>
<b>Purpose:</b>	Tests administrator's home screen
<b>Prerequisite:</b>	App starts successfully
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-log in with admin's username and password 2- validate
<b>Expected Results:</b>	1-admin's page opens and shows requests and opinions
<b>Actual Results:</b>	1-admin's page opens and shows requests and opinions
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Khalid Sabry</b>

<b>TC_06b</b>	<b>Admin test (refuse request)</b>
<b>Purpose:</b>	Tests administrator's refusal of a request
<b>Prerequisite:</b>	Admin's home page is functional
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1- register a new instructor's account 2-log in with admin's username and password 3-open requests 4-refuse the request
<b>Expected Results:</b>	-request shows in the requests activity -trying to log in with refused account fails
<b>Actual Results:</b>	-request shows in the requests activity -trying to log in with refused account fails
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Khalid Sabry</b>

<b>TC_06b</b>	<b>Admin test (accept request)</b>
<b>Purpose:</b>	Tests administrator's refusal of a request
<b>Prerequisite:</b>	Admin's home page is functional
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1- register a new instructor's account 2-log in with admin's username and password 3-open requests 4-accept the request
<b>Expected Results:</b>	-request shows in the requests activity -trying to log in with refused account succeeds
<b>Actual Results:</b>	-request shows in the requests activity -trying to log in with refused account succeeds
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes</b> and	
<b>Questions:</b>	
<b>Tester Name:</b>	<b>Khalid Sabry</b>

<b>TC_06d</b>	<b>Admin test (opinions)</b>
<b>Purpose:</b>	Tests administrator's opinions activity
<b>Prerequisite:</b>	Admin's home page is functional
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-log in with admin's username and password 2-open opinions activity 3-log in as instructor and submit an opinion 4-reopen opinions activity
<b>Expected Results:</b>	New opinion shows in the opinions activity
<b>Actual Results:</b>	New opinion shows in the opinions activity
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Khalid Sabry</b>



TC_07a	Quiz activity (main screen)
<b>Purpose:</b>	Tests main screen of quizzes that it loads without errors or glitches
<b>Prerequisite:</b>	Student has logged in
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-tap quiz icon
<b>Expected Results:</b>	Quiz activity opens showing categories, level and up level options
<b>Actual Results:</b>	Quiz activity opens showing categories, level and up level options
<b>State:</b>	<b>pass</b>
<b>Issue #:</b>	
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

TC_07b	Quiz activity (categories option)
<b>Purpose:</b>	Tests categories option in quiz activity
<b>Prerequisite:</b>	Two different accounts with different levels
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	On both accounts tap on quizzes then categories option
<b>Expected Results:</b>	Each account shows categories quizzes corresponding to their respective level
<b>Actual Results:</b>	Each account shows categories corresponding to their respective level
<b>State:</b>	<b>pass</b>
<b>Issue #:</b>	
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

TC_07c	Quiz activity (level)
<b>Purpose:</b>	Tests level option in quiz activity
<b>Prerequisite:</b>	Two different accounts with different levels
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	On both accounts tap on quizzes then level option
<b>Expected Results:</b>	Each account shows level quiz corresponding to their respective level
<b>Actual Results:</b>	Each account shows level quiz corresponding to their respective level
<b>State:</b>	<b>pass</b>
<b>Issue #:</b>	
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes</b> and <b>Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

TC_07d	Quiz activity (up level option)
<b>Purpose:</b>	Tests up level option in quiz activity
<b>Prerequisite:</b>	Accounts with first second and last levels all logged in
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	On each account tap quizzes then up level option
<b>Expected Results:</b>	1- on level 1 account a quiz opens with level 2 questions
	2-on level 2 account a quiz opens with level 3 questions
	3-on level 5 (final level) account a message shows that there are no next levels
<b>Actual Results:</b>	1- on level 1 account a quiz opens with level 2 questions
	2-on level 2 account a quiz opens with level 3 questions
	3-on level 5 (final level) account a message shows that there are no next levels
<b>State:</b>	<b>pass</b>
<b>Issue #:</b>	
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes</b>	<b>and</b>
<b>Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

TC_07e	Quiz activity (quiz structure)
<b>Purpose:</b>	Tests quiz structure (submit button and yes-no radio buttons)
<b>Prerequisite:</b>	One valid account that is logged in
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-Open quizzes activity 2-select level option 3- tab on yes option on all questions 4-tab on no option on all questions 5-tab on yes options on all questions 6-tab submit
<b>Expected Results:</b>	1- after step 3 all answers are highlighted as <b>yes</b> 2-after step 4 all answers are highlighted as <b>no</b> ( <b>yes</b> is no longer highlighted) 3-after step 5 all answers are highlighted as <b>yes</b> ( <b>no</b> is no longer highlighted) 4-after step 6 results screen appears (submit button works)
<b>Actual Results:</b>	1- after step 3 all answers are highlighted as <b>yes</b> 2-after step 4 all answers are highlighted as <b>no</b> ( <b>yes</b> is no longer highlighted) 3-after step 5 all answers are highlighted as <b>yes</b> ( <b>no</b> is no longer highlighted) 4-after step 6 results screen appears (submit button works)
<b>State:</b>	<b>pass</b>
<b>Issue #:</b>	
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

TC_07f	Quiz activity (quiz empty fields)
<b>Purpose:</b> <b>Prerequisite:</b> <b>Priority:</b> <b>Steps:</b>	Tests quiz structure (empty fields allowance)  One valid account that is logged in <b>High Priority</b> 1-Open quizzes activity 2-select level option 3- tab submit (without answering any questions) 4-fill in all answer but one and tab submit 6-fill the last answer then submit  <b>Expected Results:</b>
<b>Actual Results:</b>   <b>State:</b> <b>Issue #:</b>	-In all any case but the last one (all questions answered) a message shows that there are some unanswered questions -in the last case the result screen appears  <b>pass</b>
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b> <b>Notes</b> <b>and</b> <b>Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

TC_07g	Quiz activity (result screen)
<b>Purpose:</b>	Tests quiz structure (result screen calculation)
<b>Prerequisite:</b>	One valid account that is logged in
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-Open quizzes activity 2-select level option 3- fill in all answers with half answers correctly 4-tab submit
<b>Expected Results:</b>	-results screen shows 50%
<b>Actual Results:</b>	-results screen shows 50%
<b>State:</b>	<b>pass</b>
<b>Issue #:</b>	
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes</b>	<b>and</b>
<b>Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>

TC_07h	Quiz activity (level up test)
<b>Purpose:</b>	Tests quiz structure (result screen calculation)
<b>Prerequisite:</b>	One valid account that is logged in
<b>Priority:</b>	<b>High Priority</b>
<b>Steps:</b>	1-Open quizzes activity 2-select up level option 3- answer all with less than 75% correct then tab submit 4-answer all with more than 75% correct then tab submit
<b>Expected Results:</b>	-In all any case but the last one (all questions answered) a message shows that there are some unanswered questions -in the last case the result screen appears
<b>Actual Results:</b>	-results screen shows percentage and fail message(step 3) -results screen shows percentage and success message(step 4)
<b>State:</b>	<b>pass</b>
<b>Issue #:</b>	
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	<b>Mohamed Talaat</b>



<b>TC_003a</b>	Open discussion room
<b>Purpose:</b>	Test if the questions are from others
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1. open app 2. sign in as student or instructor 3. open discussion room
<b>Expected Results:</b>	All the questions from others
<b>Actual Results:</b>	All the questions from others
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Open discussion room (in Descending Date)
<b>Purpose:</b>	Test if the questions are from in Descending date
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	3. open app 4. sign in as student or instructor 5. open discussion room
<b>Expected Results:</b>	All the questions sorting in descending date
<b>Actual Results:</b>	All the questions sorting in descending date
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Open discussion room (Not Answered)
<b>Purpose:</b>	Test if the questions are not answered when you open discussion room
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student or instructor 3- open discussion room
<b>Expected Results:</b>	All the questions are not answered
<b>Actual Results:</b>	All the questions are not answered
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Changing between my questions and others
<b>Purpose:</b>	Test when I change between my questions and others
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student or instructor 3- open discussion room 4- change to my questions 5- change to others questions
<b>Expected Results:</b>	1- others questions (default) 2- my questions 3- others questions
<b>Actual Results:</b>	1- others questions (default) 2- my questions 3- others questions
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Changing between answered questions and not answered
<b>Purpose:</b>	Test if you change correctly between answered and not answered questions
<b>Prerequisite:</b>	Ability to get to discussion room
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open discussion room 2- change to answered questions 3- change to not answered questions
<b>Expected Results:</b>	1- not answered questions (default) 2- answered questions 3- not answered questions
<b>Actual Results:</b>	1- not answered questions (default) 2- answered questions 3- not answered questions
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Getting limited questions
<b>Purpose:</b>	Check if you get the limited questions displayed on the discussion room
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student or instructor 3- open discussion room 4- limit it to 20 questions 5- limit it to 30 questions
<b>Expected Results:</b>	1- 10 questions appeared (default) 2- 20 questions appeared 3- 30 questions appeared
<b>Actual Results:</b>	1- 10 questions appeared (default) 2- 20 questions appeared 3- 30 questions appeared
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Getting limited questions
<b>Purpose:</b>	Check if you get the limited questions displayed on the discussion room
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student or instructor 3- open discussion room 4- limit it to 20 questions 5- limit it to 30 questions
<b>Expected Results:</b>	1- 10 questions appeared (default) 2- 20 questions appeared 3- 30 questions appeared
<b>Actual Results:</b>	1- 10 questions appeared (default) 2- 20 questions appeared 3- 30 questions appeared
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Searching on questions
<b>Purpose:</b>	Check if when you search you get the required questions
<b>Prerequisite:</b>	Ability to get to discussion room
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open discussion room 2- search on some question
<b>Expected Results:</b>	1- appears all the questions (default) 2- appears only the questions that have the same text you searched on
<b>Actual Results:</b>	1- appears all the questions (default) 2- appears only the questions that have the same text you searched on
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry



<b>TC_003a</b>	Get to question
<b>Purpose:</b>	Check if you can get in to the questions
<b>Prerequisite:</b>	Ability to get to discussion room
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open discussion room 2- press on question
<b>Expected Results:</b>	1- successfully appears the question and if there any answers on it
<b>Actual Results:</b>	1- successfully appears the question and if there any answers on it
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Put a reply on a question (success)
<b>Purpose:</b>	Check if you can put a reply on question
<b>Prerequisite:</b>	Ability to get to discussion room
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open discussion room 2- press on question 3- write something on the reply text 4- press put reply button
<b>Expected Results:</b>	1- appears as a toast ""successful Operation" 2- show the reply on the question list
<b>Actual Results:</b>	1- appears as a toast ""successful Operation" 2- show the reply on the question list
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Put a reply on a question (failed)
<b>Purpose:</b>	Check if you can put a reply on question
<b>Prerequisite:</b>	Ability to get to discussion room
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open discussion room 2- press on question 3- write something on the reply text 4- disconnect the network 5- press put reply button
<b>Expected Results:</b>	1- appears as a toast "unSuccessful Operation"
<b>Actual Results:</b>	1- appears as a toast "unSuccessful Operation"
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Mark as the best answer (success)
<b>Purpose:</b>	Check if you can put a reply as the best answer
<b>Prerequisite:</b>	Ability to get to replies on question
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- press on question 2- see if there is any reply 3- press on the best answer
<b>Expected Results:</b>	1- appears as a toast "successfully updated" 2- see the reply directly under the question
<b>Actual Results:</b>	1- appears as a toast "successfully updated" 2- see the reply directly under the question
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Mark as the best answer (failed)
<b>Purpose:</b>	Check if you can put a reply as the best answer
<b>Prerequisite:</b>	Ability to get to replies on question
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- press on question 2- see if there is any reply 3- disconnect the network 4- press on the best answer
<b>Expected Results:</b>	1- appears as a toast "unsuccessfully updated"
<b>Actual Results:</b>	1- appears as a toast "unsuccessfully updated"
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	best answer button appears to instructor
<b>Purpose:</b>	Check if the best answer button appears to instructors so that he c Assign the answer as the best answer
<b>Prerequisite:</b>	Ability to get to replies on question
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- press on question
<b>Expected Results:</b>	1- appears the best answer button on all the replies except if there is a reply is already the best answer
<b>Actual Results:</b>	1- appears the best answer button on all the replies except if there is a reply is already the best answer
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	best answer button doesn't appear
<b>Purpose:</b>	Check if the best answer button doesn't appear to students who the Question doesn't belong to them
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student 3- open discussion room 4- press on question
<b>Expected Results:</b>	1- the best answer button doesn't appear
<b>Actual Results:</b>	1- the best answer button doesn't appear
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	report button appears to students
<b>Purpose:</b>	Check if the report button appears to all students
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student 3- open discussion room 4- press on question
<b>Expected Results:</b>	1- the report button appears
<b>Actual Results:</b>	1- the report button appears
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry



<b>TC_003a</b>	report button appears to instructors
<b>Purpose:</b>	Check if the report button appears to all instructors
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	5- open app 6- sign in as student 7- open discussion room 8- press on question
<b>Expected Results:</b>	2- the report button appears
<b>Actual Results:</b>	2- the report button appears
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Access to report on view
<b>Purpose:</b>	Check if the report on view open successfully
<b>Prerequisite:</b>	Ability to get to replies on question
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- press on question 2- press on report button
<b>Expected Results:</b>	1- open the report on view
<b>Actual Results:</b>	1- open the report on view
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Put a report (success)
<b>Purpose:</b>	Check if you can put the report successfully
<b>Prerequisite:</b>	Ability to get to replies on question
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- press on the report button 2- write the comment text field 3- press submit button
<b>Expected Results:</b>	1- appears as a toast “successfully reported”
<b>Actual Results:</b>	1- appears as a toast “successfully reported”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Put a report (failed)
<b>Purpose:</b>	Check if you can put the report without write a comment
<b>Prerequisite:</b>	Ability to get to replies on question
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- press on the report button 2- press submit button
<b>Expected Results:</b>	1- appears as a toast “unsuccessfully reported”
<b>Actual Results:</b>	1- appears as a toast “unsuccessfully reported”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Opining show reports
<b>Purpose:</b>	Check if you can open show reports successfully
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as an Admin 3- open show reports
<b>Expected Results:</b>	1- the view open without error
<b>Actual Results:</b>	1- the view open without error
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Opining show a report
<b>Purpose:</b>	Check if you can open show a report successfully
<b>Prerequisite:</b>	Ability to get to show reports view
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open show reports 2- press on any report that appear
<b>Expected Results:</b>	1- the view open without error
<b>Actual Results:</b>	1- the view open without error
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Reporting delete a question
<b>Purpose:</b>	Check if you can delete a question
<b>Prerequisite:</b>	Ability to get to show reports view
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open show reports 2- select misleading question 3- press on any report that appears 4- press on the delete button
<b>Expected Results:</b>	1- appears a message as a toast "successfull task"
<b>Actual Results:</b>	1- appears a message as a toast "successfull task"
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Reporting delete an answer
<b>Purpose:</b>	Check if you can delete an answer
<b>Prerequisite:</b>	Ability to get to show reports view
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open show reports 2- select misleading answer 3- press on any report that appears 4- check from type of action delete answer 5- press on the delete button
<b>Expected Results:</b>	1- appears a message as a toast “successfull task”
<b>Actual Results:</b>	1- appears a message as a toast “successfull task”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry



<b>TC_003a</b>	Reporting change the best answer
<b>Purpose:</b>	Check if you can remove the reply from the best answer
<b>Prerequisite:</b>	Ability to get to show reports view
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open show reports 2- select misleading answer 3- press on any report that appears 4- check from type of action remove best answer 5- press on the remove button
<b>Expected Results:</b>	1- appears a message as a toast “successful task”
<b>Actual Results:</b>	1- appears a message as a toast “successful task”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Reporting suspending a user
<b>Purpose:</b>	Check if you can suspend a user
<b>Prerequisite:</b>	Ability to get to show reports view
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open show reports 2- press on any report that appears 3- check from type of action suspend user 4- press on the suspend button
<b>Expected Results:</b>	1- appears a message as a toast “successful task”
<b>Actual Results:</b>	1- appears a message as a toast “successful task”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Ask a question (success)
<b>Purpose:</b>	Check if you can ask question
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student 3- open ask question 4- write title 5- write description 6- press on submit question
<b>Expected Results:</b>	1- appears as a toast “successfully added”
<b>Actual Results:</b>	1- appears as a toast “successfully added”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Ask a question (failed by title)
<b>Purpose:</b>	Check if you can put a question when you don't write a title
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student 3- open ask question 4- write description 5- press on submit question
<b>Expected Results:</b>	1- appears as a toast "there is no name for the title of question"
<b>Actual Results:</b>	1- appears as a toast "there is no name for the title of question"
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Ask a question (failed by description)
<b>Purpose:</b>	Check if you can put a question when you don't write a description
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student 3- open ask question 4- write title 5- press on submit question
<b>Expected Results:</b>	1- appears as a toast "please add your question"
<b>Actual Results:</b>	1- appears as a toast "please add your question"
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Request to become instructor button disappeared (instructor)
<b>Purpose:</b>	Check if you the request to become instructor doesn't appear if you Already instructor
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as instructor 3- open options
<b>Expected Results:</b>	The request to become instructor button is invisible
<b>Actual Results:</b>	The request to become instructor button is invisible
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Request to become instructor button disappeared (student)
<b>Purpose:</b>	Check if you the request to become instructor doesn't appear if you didn't get to the last level in your education
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	4- open app 5- sign in as student "his level is less than the last level in the app" 6- open options
<b>Expected Results:</b>	The request to become instructor button is invisible
<b>Actual Results:</b>	The request to become instructor button is invisible
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Opening Request to become instructor view
<b>Purpose:</b>	Check if you can open the request to become instructor view successfully
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student "his level is less than the last level in the app" 3- open options 4- press on become instructor
<b>Expected Results:</b>	The request to become instructor view opens successfully
<b>Actual Results:</b>	The request to become instructor view opens successfully
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry



<b>TC_003a</b>	Request to become instructor (success)
<b>Purpose:</b>	Check if you put a request to become instructor successfully
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	1- open app 2- sign in as student "must be at the last level in education" 3- open options 4- press on become instructor 5- write your skills in the text field 6- press the request button
<b>Expected Results:</b>	1- appears as a toast "successful task"
<b>Actual Results:</b>	1- appears as a toast "successful task"
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

<b>TC_003a</b>	Request to become instructor (failed)
<b>Purpose:</b>	Check if you can put a request to become instructor successfully Without write any of your skills
<b>Prerequisite:</b>	Ability to get to menu
<b>Priority:</b>	High Priority
<b>Steps:</b>	5- open app 6- sign in as student “must be at the last level in education” 7- open options 8- press on become instructor 9- press the request button
<b>Expected Results:</b>	1- appears as a toast “unsuccessful task”
<b>Actual Results:</b>	1- appears as a toast “unsuccessful task”
<b>State:</b>	pass
<b>Issue #:</b>	none
<b>Execution Date:</b>	3-5-2018
<b>Build Version:</b>	The CVS version where this test case is executed
<b>Notes and Questions:</b>	
<b>Tester Name:</b>	Khaled Sabry

## 5.1 Non-functional Testing

### 5.1.1 Performance Testing

Testing performance is noted during functional testing and measured by loading time during opening activities or scrolling in quizzes, etc ...

### 5.1.2 Quality Testing

During functional testing, glitches and button input mistakes are noted. different phones are also used in order to ensure quality on most android devices.

### 5.1.3 Interface Testing

The interface testing (input is correct and accurate, no visual distortion, etc...) are glanced at while doing the functional testing.

## 6. References

<https://developer.android.com/studio/index.html>

## 7. Glossary

US: User Story

## Appendices

None in the current build of the app

