

*STUDENT PORTAL*

## **TEST REPORT**

Version 1.0  
12/9/2016

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## VERSION HISTORY

Version #	Implemented By	Revision Date
1.0	<i>Yang Ding, Duan Li, Chris Tsuei, Xiaoying Ji, Kylie Duan</i>	<i>12/9/2016</i>

## 1.0 INTRODUCTION

### 1.1 PURPOSE

This Student Portal Test Report provides a summary of the results of test performed as outlined within this document.

## 2.0 TEST SUMMARY

The following tests will be implemented on the Student Portal application:

- Unit Test - This test will verify the application logic and will be based on knowledge of expected program behavior and verify the system's functionality according to the Design Document.
- User Interaction Test - This test will be performed on either the Android Studio Emulator or the Samsung Galaxy S5 device and will verify that user interaction will result in the correct behavior from the application.

**Project Name:** *Student Portal*

**System Name:** *Android Studio*

## 3.0 TEST ASSESSMENT

Testing was mainly done using user interaction. There was some code testing in the form of JUnit tests for any method we could test that didn't involve user interaction (button pressing, UI display, swiping, etc).

We did do a lot of interaction testing by building the project and running the project on an emulator. By doing this, we were able to verify to ourselves that the project as well as the behavior of the elements were present. However, when attempting to run an espresso test on the code, those tests would always fail.

## 4.0 TEST RESULTS

### 4.1 UNIT TEST

The table below summarizes the results of unit testing:

Test Case ID	Test Case Name	Purpose	Data Tested	Tester	Pass/Fail	Expected Result	Actual Result
TC1	Database	Tests that	11/15/2	Duan	Fail		

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	Test	the database is initiated correctly.	016	Li			
TC 2.1	Edit Profile Activity test - Test invalid	Tests the invalid username and password	11/15/2016	Chris Tsuei	Pass	The user unable to change the username and password.	The user unable to change the username and password.
TC 2.2	Edit Profile Activity test - Test empty	Tests the empty username and password	11/15/2016	Chris Tsuei	Pass	The user unable to change the username and password.	The user unable to change the username and password.
TC 2.3	Edit Profile Activity test - Test valid	Tests the valid username and password	11/15/2016	Chris Tsuei	Pass	The user successfully change the username and password.	The user successfully change the username and password.
TC 3.1	Event Test - Set Organizer ID	Tests that the set organizer ID method	11/18/2016	Xiaoyi ng ji	Pass	The application successfully set the organizer ID.	The organizer ID was successfully set.
TC 3.2	Event Test - Set Event ID	Tests that the set event ID method	11/18/2016	Xiaoyi ng Ji	Pass	The application successfully set the event ID.	The eventID was successfully set.
TC 3.3	Event Test - Set Event Name	Tests that the set event name method	11/18/2016	Xiaoyi ng Ji	Pass	The application successfully set the event name.	The event name was successfully set.
TC 3.4	Event Test - Set Event Date	Tests that the set event date method	11/18/2016	Xiaoyi ng Ji	Pass	The application successfully set the event date.	The event date was successfully set.
TC 3.5	Event Test - Set Event Time	Tests that the set event time method	11/18/2016	Xiaoyi ng Ji	Pass	The application successfully set the event time.	The event time was successfully set.

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TC 3.6	Event Test - Set Event Location	Tests that the set event location method	11/18/2016	Xiaoyi ng Ji	Pass	The application successfully set the event location.	The event location changed in the event description correctly.
TC 3.7	Event Test - Set Event Price	Tests that the set event price method	11/18/2016	Xiaoyi ng Ji	Pass	The application successfully set the event price.	The event price was set correctly.
TC 3.8	Event Test - Set Event Capacity	Tests that the set event capacity method	11/18/2016	Xiaoyi ng Ji	Pass	The application successfully set the event capacity.	The event capacity was set to the correct value.
TC 3.9	Event Test - Set Event Description	Tests that the set event description method	11/18/2016	Xiaoyi ng Ji	Pass	The application successfully set the event description.	The event description matches the user entry.
TC 4.1	Input validator test - URL test	Tests if the URL is valid.	11/20/2016	Peiyan Duan	Pass	The format of the URL is valid.	The format of the URL is valid.
TC 4.2	Input validator test - gender test	Tests if the user's input gender is valid.	11/20/2016	Peiyan Duan	Pass	The format of the gender is valid.	The format of the gender is valid.
TC 4.3	Input validator test - email test	Tests if the user's input email is valid.	11/20/2016	Peiyan Duan	Pass	The format of the email is valid.	The format of the email is valid.
TC 4.4	Input validator test - username test	Tests if the user's input username is valid.	11/20/2016	Peiyan Duan	Pass	The format of the username is valid.	The format of the username is valid.
TC 4.5	Input validator test - password test	Tests if the user's input password is valid.	11/20/2016	Peiyan Duan	Pass	The format of the password is valid.	The format of the password is valid.
TC	Input	Tests if the	11/20/2016	Peiyan	Pass	The format of the	The format of the date is

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4.6	validator test - date test	user's input data is valid.	016	Duan		date is valid.	valid.
TC 4.7	Input validator test - time test	Tests if the user's input time is valid.	11/20/2016	Peiyan Duan	Pass	The format of the time is valid.	The format of the time is valid.
TC 4.8	Input validator test - contact test	Tests if the user's input phone number is valid.	11/20/2016	Peiyan Duan	Pass	The format of the phone number is valid.	The format of the phone number is valid.
TC 4.9	Input validator - name test	Test is the user's input name is valid.	11/20/2016	Peiyan Duan	Pass	The format of the name is valid.	The format of the name is valid.
TC 5.1	Item Test - Set Seller ID	Tests that the set seller ID method	11/25/2016	TianLin Lu	Pass	The application successfully set the seller ID.	The seller ID was successfully set.
TC 5.2	Item Test - Set Item ID	Tests that the set item ID method	11/25/2016	TianLin Lu	Pass	The application successfully set the item ID.	The item ID was successfully set
TC 5.3	Item Test - Set Item Name	Tests that the set item name method	11/25/2016	TianLin Lu	Pass	The application successfully set the item name.	The item name was successfully set
TC 5.4	Item Test - Set Item Price	Tests that the set item price method	11/25/2016	TianLin Lu	Pass	The application successfully set the item price.	The item price was successfully set
TC 5.5	Item Test - Set contact	Tests that the set contact method	11/25/2016	TianLin Lu	Pass	The application successfully set the contact number.	The contact number was successfully set.
TC 5.6	Item Test - Set Item Description	Tests that the set item description method	11/25/2016	TianLin Lu	Pass	The application successfully set the item description.	The item description was successfully set.

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TC 5.7	Item Test - Set Item Status	Tests that the set item status method	11/25/2016	TianLin Lu	Pass	The application successfully set the item status.	The item status was successfully set.
TC 6.1	Login activity test - email test	Tests if the user's input email is valid and matches with the database entry.	11/20/2016	Xiaoyi ng Ji	Pass	The format of the email is valid and it matches with the user entry in database.	The format of the email is valid and it matches with the user entry in database.
TC 6.2	Login activity test - password test	Tests if the user's input password is valid and matches with the database entry.	11/20/2016	Xiaoyi ng Ji	Pass	The format of the password is valid and it matches with the password entry of the corresponding user in database.	The format of the password is valid and it matches with the password entry of the corresponding user in database.
TC 7	Register activity test - valid registration test	Tests if the user's registration input is valid, including password and username.	11/20/2016	Xiaoyi ng Ji	Pass	The format of the password and username is valid, and is successfully stored to the database.	The format of the password and username is valid, and is successfully stored to the database.
TC 8.1	User test - get user ID test	Tests if the getter method can get the user ID.	11/20/2016	Duan Li	Pass	The user ID in the user class can be fetched by the getter method successfully.	The user ID in the user class can be fetched by the getter method successfully.
TC 8.2	User test - get username test	Tests if the getter method can get the username.	11/20/2016	Duan Li	Pass	The username in the user class can be fetched by the getter method successfully.	The username in the user class can be fetched by the getter method successfully.
TC 8.3	User test - get password test	Tests if the getter method can get the password.	11/20/2016	Duan Li	Pass	The password in the user class can be fetched by the getter method successfully.	The password in the user class can be fetched by the getter method successfully.
TC 8.4	User test - get gender test	Tests if the getter method can get the	11/20/2016	Duan Li	Pass	The gender in the user class can be fetched by the	The gender in the user class can be fetched by the getter method

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		gender.				getter method successfully.	successfully.
TC 8.5	User test - get phone number test	Tests if the getter method can get the phone number.	11/20/2016	Duan Li	Pass	The phone number in the user class can be fetched by the getter method successfully.	The phone number in the user class can be fetched by the getter method successfully.
TC 8.6	User test - get major test	Tests if the getter method can get the major.	11/20/2016	Duan Li	Pass	The major in the user class can be fetched by the getter method successfully.	The major in the user class can be fetched by the getter method successfully.
TC 8.7	User test - get email test	Tests if the getter method can get the email.	11/20/2016	Duan Li	Pass	The email in the user class can be fetched by the getter method successfully.	The email in the user class can be fetched by the getter method successfully.
TC 9.1	New Event Test - Set Event Name	Tests the set event name method in the new event activity page	12/1/2016	Yang Ding	Pass	The application successfully set the event name.	The event name is specified correctly from the user entry in the newEvent Activity.
TC 9.2	New Event Test - Set Event Date	Tests the set event date method in the new event activity page	12/1/2016	Yang Ding	Pass	The application successfully set the event date.	The event date is specified correctly from the user entry in the newEvent Activity.
TC 9.3	New Event Test - Set Event Time	Tests the set event time method in the new event activity page	12/1/2016	Yang Ding	Pass	The application successfully set the event time.	The event time is specified correctly from the user entry in the newEvent Activity.
TC 9.4	New Event Test - Set Event Description	Tests the set event description method in the new event	12/1/2016	Yang Ding	Pass	The application successfully set the event description.	The event description is specified correctly from the user entry in the newEvent Activity.



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	on	activity page					
TC 10.1	New Item Test - Set Seller Name	Tests the set seller name method in the new item activity page	12/5/2016	Yang Ding	Pass	The application successfully set the seller name.	The seller name is specified correctly as the current user.
TC 10.2	New Item Test - Set Item Name	Tests the set item name method in the new item activity page	12/5/2016	Yang Ding	Pass	The application successfully set the item name.	The item name matches the user entry on the newItem Activity
TC 10.3	New Item Test - Set Contact	Tests the set contact method in the new item activity page	12/5/2016	Yang Ding	Pass	The application successfully set the contact number.	The contact number matches the user entry on the newItem Activity
TC 10.4	New Item Test - Set Item Description	Tests the set item description method in the new item activity page	12/5/2016	Yang Ding	Pass	The application successfully set the item description.	The item description matches the user entry on the newItem Activity.

## 4.2 USER INTERACTION TEST

The table below summarizes the results of user interaction testing:

Test Case ID	Test Name	Test Purpose	Tester	Test Date	Expected Test Result	Test Result
TC 11.1	Login page - login button	Tests if the login button can work properly.	Peiyan Duan	11/26/2016	Clicking on the login button directs you to the main page.	Clicking on the login button directs you to the main page.
TC 11.2	Login page - register button	Tests if the register button can work properly.	Peiyan Duan	11/26/2016	Clicking on the register button directs you to the register page.	Clicking on the register button directs you to the register page.
TC 12.1	Register page - register button	Tests if the register button can work properly.	Peiyan Duan	11/26/2016	Clicking on the register button directs you to the login page, and successfully stores the input entry into the database.	Clicking on the register button directs you to the login page, and successfully stores the input entry into the database.
TC 13.1	Profile page - edit page image view	Tests if the edit page image can work properly.	Xiaoying Ji	11/26/2016	Clicking on the edit profile image directs you to the edit profile page.	Clicking on the edit profile image directs you to the edit profile page.
TC1 13.2	Profile page - QR code	Tests if the QR code appears properly.	Xiaoying Ji	11/26/2016	QR code appears on the profile page.	QR code appears on the profile page.
TC1 14.1	Edit profile page - ok button	Tests if the ok button can work properly.	Xiaoying Ji	11/26/2016	Clicking on the ok button directly you to the profile page, and changes the corresponding entry in the database. Manifest on the profile page will also be changed.	Clicking on the ok button directly you to the profile page, and changes the corresponding entry in the database. Manifest on the profile page will also be changed.
TC 15.1	Manage page - event left/right button	Tests if the left/right button can work properly	Xiaoying Ji	11/26/2016	Clicking on the left/right button allows you to browse through a list of event.	Clicking on the left/right button allows you to browse through a list of event.

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TC 15.2	Manage page - item left/right button	Tests if the left/right button can work properly	Xiaoying Ji	11/26/2016	Clicking on the left/right button allows you to browse through a list of item.	Clicking on the left/right button allows you to browse through a list of item.
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## **5.0 TEST INSTANCES**

Most user interaction testing went well. However there was a slight error with the manage page fragment. When create new event or create new item was accessed from the manage page, hitting the back button would take the user back to the login screen.

### **5.1 RESOLVED TEST INCIDENTS**

There was a bug on the homepage where if you would hit one of the arrows, depending on the fragment, the associated detail view would show in addition to the change in the current item/event. This was easily fixed by decreasing the size of both description textviews.

### **5.2 UNRESOLVED TEST INCIDENTS**

For the add event to calendar, we were unable to add the event to the user's calendar.

## **6.0 RECOMMENDATIONS**

After the various bugs have been fixed, those will need to be tested and if those tests were successful, this document will need to be updated.

After successful implementation of a server to host the login information, event information and exchange information, we suggest to test the application with the server in order to verify that data can be retrieved.

Also after the application has been released to the public, stress testing will be needed to determine the maximum number of users that can be online.

## APPENDIX A: REFERENCES

The following table summarizes the documents referenced in this document.

Document Name and Version	Description	Location
Test Plan	Test Plan for the Student Portal Project	<a href="https://docs.google.com/document/d/1rv5BLrV5Hr3uQFiaoWZAychbNHmll7vtv9j6skVCPoY/edit">https://docs.google.com/document/d/1rv5BLrV5Hr3uQFiaoWZAychbNHmll7vtv9j6skVCPoY/edit</a>