

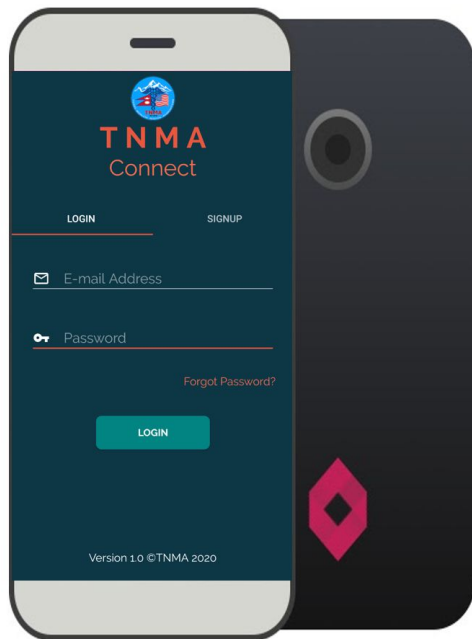
TNMA Mobile App Testing Documentation

April 29, 2020

Team Habits

Introduction

The main objective of the project is to create a fully functional android application for TNMA nonprofit organization, which will help provide extra exposure to organization and also provide functionalities to handle organizational tasks and business efficiently.

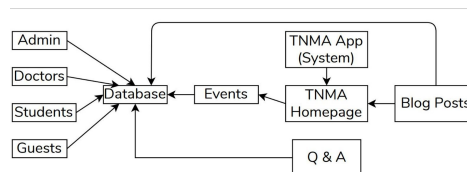


Requirements

- ★ User Signup, Login, and Verification
- ★ Questionnaire, Event Registration
- ★ Blog Posts, Q&A, Profile Activity
- ★ Performance and Safety

All of the above will be tested as stated in “**Testing Methodology**” on the next page.

System Structure



Roles

Two users of each role testing the end-to-end role specific flow. Roles are as follows: mentor and student

Testing Methodology

Step 1: Populating the database

The first step we did was fill the events, blogs, and donations feed with activity. Note: this test activity may not be representative of actual feeds that TNMA may use in the future.

Step 2: Determining a testing approach

Next, we decided how we want to approach testing. Since the TNMA app is based heavily on roles (mentors and students all perform different tasks within the app) we figured it was best to split testing based on roles. For every role that we have, we had two users test the entire app and all its features.

Step 3: Gathering testing volunteers

For our preliminary testing, we asked a total of four (4) UNT Computer Science students to test our app with the approach detailed above.

Step 4: Recording data

This can be found on the next page.

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Testing Results

Role 1: Student

→ Test A: User Signup, Login, Verification, and Role Assignment (questionnaire)

- User A: [Peyton B., peybrou7@gmail.com](#)
 - a. User Signup- pass **Result: successful, weak passwords not allowed**
 - b. User Login- pass **Result: successful**
 - c. Recover Password- pass **Result: successful**
 - d. User Verification- pass **Result: successful**
 - e. Role Assignment- pass **Result: successful- verified as student.**
Name can be a number- this can be fixed later on. (add error checking)
Needs to sign out and sign in before viewing profile.
 - f. Does any input cause app to crash? **No**
- User B: [Gustavo E., g4spinos@gmail.com](#)
 - g. User Signup- pass **Result: successful, weak passwords not allowed**
 - h. User Login- pass **Result: successful**
 - i. Recover Password- pass **Result: successful**
 - j. User Verification- pass **Result: successful**
 - k. Role Assignment- pass **Result: successful- verified as student.**
Name can be a number- this can be fixed later on. (add error checking)
Needs to sign out and sign in before viewing profile.
 - l. Does any input cause app to crash? **No**

→ Test B: Event Registration

- User A: [Peyton B., peybrou7@gmail.com](#)
 - m. View event- pass **Result: successful**
 - n. Join event- pass **Result: successful**
 - o. Verify joined event on profile- pass **Result: successful**

- p. Does any input cause app to crash? No
- User B: [Gustavo E., g4spinos@gmail.com](#)
 - q. View event- pass Result: successful
 - r. Join event- pass Result: successful
 - s. Verify joined event on profile- pass Result: successful
 - t. Does any input cause app to crash? No
- Test C: Blog Posts
 - User A: [Peyton B., peybrou7@gmail.com](#)
 - u. View posts- pass Result: successful
 - v. Create a post- pass Result: successful
 - w. Comment- pass Result: successful
 - x. Does any input cause app to crash? No
 - User B: [Gustavo E., g4spinos@gmail.com](#)
 - y. View posts- pass Result: successful
 - z. Create a post- pass Result: successful
 - aa. Comment- pass Result: successful
 - bb. Does any input cause app to crash? No
- Test D: Q/A and messaging
 - User A: [Peyton B., peybrou7@gmail.com](#)
 - cc. Direct messaging- pass Result: successful- assigned with mentor
 - dd.
 - ee.
 - ff.
 - User B: [Gustavo E., g4spinos@gmail.com](#)
 - gg. Direct messaging- pass Result: successful- assigned with mentor
 - hh.
 - ii.
 - jj.
- Test E: Profile Activity
 - User A: [Peyton B., peybrou7@gmail.com](#)
 - kk. Edit Information Result: successful

- ll. Edit Avatar Result: successful
 - mm. Have correct "role" icons load Result: successful
 - nn. View lists that only the user joined Result: successful
 - oo. Does any input cause app to crash? No
- User B: [Gustavo E., g4spinos@gmail.com](#)
 - pp. Edit Information Result: successful
 - qq. Edit Avatar Result: successful
 - rr. Have correct "role" icons load Result: successful
 - ss. View lists that only the user joined Result: successful
 - tt. Does any input cause app to crash? No

Role 2: Mentor

→ Test A: User Signup, Login, Verification, and Role Assignment (questionnaire)

- User A: [Abhi R., abhiroseb2@gmail.com](#)
 - uu. User Signup- pass Result: successful, weak passwords not allowed
 - vv. User Login- pass Result: successful
 - ww. Recover Password- pass Result: successful
 - xx. User Verification- pass Result: successful
 - yy. Role Assignment- pass Result: successful- verified as student.
Name can be a number- this can be fixed later on. (add error checking)
Needs to sign out and sign in before viewing profile.
 - zz. Does any input cause app to crash? No
- User B: [Garrett G., garrettgu77@gmail.com](#)
 - aaa. User Signup- pass Result: successful, weak passwords not allowed
 - bbb. User Login- pass Result: successful
 - ccc. Recover Password- pass Result: successful
 - ddd. User Verification- pass Result: successful
 - eee. Role Assignment- pass Result: successful- verified as student.
Name can be a number- this can be fixed later on. (add error checking)
Needs to sign out and sign in before viewing profile.

fff. Does any input cause app to crash? No

→ Test B: Event Registration

- User A: [Abhi R., abhiroseb2@gmail.com](#)
 - ggg. View event- pass Result: successful
 - hhh. Join event- pass Result: successful
 - iii. Verify joined event on profile- pass Result: successful
 - jjj. Does any input cause app to crash? No
- User B: [Garrett G., garrettgu77@gmail.com](#)
 - kkk. View event- pass Result: successful
 - lll. Join event- pass Result: successful
 - mmm. Verify joined event on profile- pass Result: successful
 - nnn. Does any input cause app to crash? No

→ Test C: Blog Posts

- User A: [Abhi R., abhiroseb2@gmail.com](#)
 - ooo. View posts- pass Result: successful
 - ppp. Create a post- pass Result: successful
 - qqq. Comment- pass Result: successful
 - rrr. Does any input cause app to crash? No
- User B: [Garrett G., garrettgu77@gmail.com](#)
 - sss. View posts- pass Result: successful
 - ttt. Create a post- pass Result: successful
 - uuu. Comment- pass Result: successful
 - vvv. Does any input cause app to crash? No

→ Test D: Q/A and messaging

- User A: [Abhi R., abhiroseb2@gmail.com](#)
 - www. Direct messaging- pass Result: successful- assigned with student
 - xxx.
 - yyy.
 - zzz.
- User B: [Garrett G., garrettgu77@gmail.com](#)
 - aaaa. Direct messaging- pass Result: successful- assigned with student

bbbb.

cccc.

dddd.

→ Test E: Profile Activity

- User A: [Abhi R., abhiroseb2@gmail.com](#)

eeee. Edit Information

Result: successful

ffff. Edit Avatar

Result: successful

gggg. Have correct "role" icons load

Result: successful-mentor

hhhh. View lists that only the user joined

Result: successful

iiii. Does any input cause app to crash?

No

- User B: [Garrett G., garrettgu77@gmail.com](#)

jjjj. Edit Information

Result: successful

kkkk. Edit Avatar

Result: successful

llll. Have correct "role" icons load

Result:

successful-mentor

mmmm. View lists that only the user joined

Result: successful

nnnn. Does any input cause app to crash?

No

Testing Conclusion

While our app has not yet endured thorough testing, it is stable, provides all of the functionalities as stated in the requirements, and doesn't freeze or crash. Some error checking could be used to ensure that inputs must be in specific format.

This document does not cover performance or security testing. This will be covered in a later document.