**Title: Team 41 - AndroidNachos - PartyGuardAndroid - Peruru**

Jacob Stansbury

**Team Roles and Responsibilities:**

* **Primary contact:**Rakshith Anand
* **Client management:**Vinod Kumar Kurma
* **Requirement management**: Seshu Kumar
* **Data management (Kinvey & REST services):**Sridhar Yerasi
* **Quality & Testing Management:**Ashish Peruru
* **Documentation & Communication Management:**Harish Yeddluri
* **Issue Management:**Harish Reddy Yanala

1. **What you've accomplished:**

**Accomplished Tasks:**

* **Android Training:**
  + Learned Android with the help of my team, which helped in understanding and achieving the assigned tasks.
* **Bitbucket:**
  + Leaned to use Bitbucket for code management and defect logging.
  + I successfully integrated Bitbucket repository with Google Analytics.
* **Source Tree:**
  + Learned to use Source tree to check-in / check-out code in Bitbucket
  + Learned how to resolve merge conflict in android.

I have completed,

* The User Interface for the Host profile screen as per client requirements and prototypes were given.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/49f5759aa6c328012d8e39edbab21b252e4a537c (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/49f5759aa6c328012d8e39edbab21b252e4a537c%C2%A0(Links%20to%20an%20external%20site.)%0d)

* The User Interface for the Host History screen as per client requirements and prototypes.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/788a2109b9de2878129c472cc0b118d0dc63a3f3 (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/788a2109b9de2878129c472cc0b118d0dc63a3f3)

* Created bottom navigation bar in all the host/guard screens as per the client requirement.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/ed74aeedea5d24bb7db6042c1f5c898c39aee6a3 (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/ed74aeedea5d24bb7db6042c1f5c898c39aee6a3)

* Created business logic to integrate the user registration page to the web services.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/45f2ef8dbe97ab14c21bad82b561976a343aebe0 (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/45f2ef8dbe97ab14c21bad82b561976a343aebe0?at=master)

* Created some business logic in order to integrate Login screen to the web services.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c82143ff0b7b3ca86c47cfea8aad2119e9903e15 (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c82143ff0b7b3ca86c47cfea8aad2119e9903e15?at=master)

* Developed Guard user screens and also business logic in order to transverse from one page to another.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/f90c64d23a91f191ecc5c3d62154b8562c846dd5 (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/f90c64d23a91f191ecc5c3d62154b8562c846dd5)

* Developed the business logic in order to upload an image to the image view while providing a dialogue box which contains options which allows the user to take a picture directly from camera or upload from the gallery.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/e0feddbc4586f583d8f4a552697dac2d80f0a962 (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/e0feddbc4586f583d8f4a552697dac2d80f0a962)

* Developed the business logic in order to upload an image to the image view while providing a dialogue box which contains options which allows the user to take a picture directly from camera or upload from the gallery for the host/guard sign ups and also in the user profile edit pages.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/ac1e9ec0f3e16e4fbd6d1f7756e159f1355e25e5 (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/ac1e9ec0f3e16e4fbd6d1f7756e159f1355e25e5)

* Added a drop down which allows the user to select the respective university while signing up.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/0f25431d33df98a8a5f4dda61cf48c43ec43a22c (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/0f25431d33df98a8a5f4dda61cf48c43ec43a22c)

* Worked on integrating the reset password business logic with the web services.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/9f6c3c01583aae88312691ceb6113a000a29fbff (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/9f6c3c01583aae88312691ceb6113a000a29fbff)

* Enabled the guard user profile screen with the edit text mode on click of an edit button.

 https://bitbucket.org/gandhapuneni03/partyguard-android/commits/4338a359bfacd42d4f7d50f027b04f414e72a743 (Links to an external site.)

* Restored the functionality of reset password page and also its components and worked on the UI improvements.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/0dbe81de9b0ec4832d72691de371532168e70071 (Links to an external site.) (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/0dbe81de9b0ec4832d72691de371532168e70071)

1. **What you're working on:**

* I’m currently working on performing unit testing for each screen in the application.
* I am also working on completing documents that should be included in the DVD. I am responsible for docs**/worksheets**

1. **What you haven't started yet:**

* We are yet to receive 10 services from the services team for basic/ guard/ host user.
* I will be working on integrating the service for the emergency button.

1. **What challenges or obstacles you're having:**

* We are facing an issue in finding the right template for the documents.

**Things that I have learned:**

* As I was new to android, I have started learning android during GDP-1 and I have implemented that knowledge in developing this application.
* Learned how to use Android Studio.
* I have learned how to use bitbucket for sharing the code with the other members of the team effectively.
* I have also learned the impact of “.gitignore” file, which did not let us push our code during our first commit.
* Learned how to use source tree for pushing code into Bitbucket.
* Learned how to handle merge conflicts in SourceTree
* Learned how to user Postman for testing the response of the services given by the services team.
* I learned how to implement singleton design pattern in java.
* I have learned how to integrate services with the android application.
* Learned how to work on and read JSON data from JSON file and parse it.
* Learned the concept of shared preferences in android.
* Learned how to use local database i.e., SQLite in android., We have initially thought of using SQLite for storing user credentials for auto login, so I have worked on it by creating a separate project but we have ended up using shared preferences instead of SQLite.
* Learned cross testing methodologies.
* I have learned how to debug code in android.
* I have learned how to deploy the android application in an android mobile.