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

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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:**

I have completed,

* The User Interface for the Location screen as per client requirements and prototypes given.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/82f96cfe17327336d811a52143bb4f4ce1ceeec7 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/82f96cfe17327336d811a52143bb4f4ce1ceeec7)

* The User Interface for the Resolution Alert screen as per client requirements and prototypes.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c2225338d847e6ea1f8601633a4086ed324be4f8 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c2225338d847e6ea1f8601633a4086ed324be4f8)

* Created a JSON file for each request and response that these screens within the project file.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/2ba5a95269f710ad84af93e7b668ad650cb841e9 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/2ba5a95269f710ad84af93e7b668ad650cb841e9)

Note: This commit contains one of the JSON files that I have created. I have used this for validating user.

* Created user interface for custom dialog box for “other” type alert in Report Issue screen.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/95a5ea0914a07ce2da7a1d5ce46869a346c54f7e (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/95a5ea0914a07ce2da7a1d5ce46869a346c54f7e)

* Made the image of the fraternity circular (which is rectangle by default) in the fraternity field in locations screen.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/dc9506cab3f91b22f288ec11666f129648873834 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/dc9506cab3f91b22f288ec11666f129648873834)

* Added “Intent” for the locations screen, which directs to the resolution alert screen when clicked on any of the location.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/a7febaba50cfdaa3635bbb74d03b3c14a7a06a80 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/a7febaba50cfdaa3635bbb74d03b3c14a7a06a80)

* Added local push notifications within the application for showing the client how the push notifications would work in android.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/81c6c0a32cad830c9b507bd35bdbb2869df0be22 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/81c6c0a32cad830c9b507bd35bdbb2869df0be22)

* Populated the location, alert fields in the resolution alert screen with dynamic data.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/82f96cfe17327336d811a52143bb4f4ce1ceeec7 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/82f96cfe17327336d811a52143bb4f4ce1ceeec7)

* Implemented singleton design pattern while working for triggering issue for location screen and resolution alert screen.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c1ef584e6a3f0611014e4598db52c5f084c23f27 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c1ef584e6a3f0611014e4598db52c5f084c23f27)

* Worked on storing user credentials in the local database for auto login.

[https://bitbucket.org/YeddluriHarish/jsonparsing/commits/acbb5a38d68e4e97e2c0680f3b956155ab22cca3 (Links to an external site.)](https://bitbucket.org/YeddluriHarish/jsonparsing/commits/acbb5a38d68e4e97e2c0680f3b956155ab22cca3)

* Integrated all the screens as per the prototype for the first client demo.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/f8a555f056a30df6b76bd37e4844926ab74463a7 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/f8a555f056a30df6b76bd37e4844926ab74463a7)

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/b3f4f22d733ec675bbf0e8356839ebd23eaf6047 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/b3f4f22d733ec675bbf0e8356839ebd23eaf6047)

* Integrated services with the resolution alert screen, which fires an issue from the basic user with the user’s information along with the issue information.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c2b384a2cb192b9cb386d75451b0a3c33f09ba50 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c2b384a2cb192b9cb386d75451b0a3c33f09ba50)

* Integrated service for getting the user information.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/1f72cb297ced2e786874d186383ddcf8bcb42746 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/1f72cb297ced2e786874d186383ddcf8bcb42746)

* Integrated service for getting the alerts that were resolved by that fraternity guards.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c96f02a13f8484762edf49d611e619a3b8ab5a22 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/c96f02a13f8484762edf49d611e619a3b8ab5a22)

* Integrated service for the claim button which claims the alert, claim button appears when the user clicks on any alert in the alerts tab.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/a58cf264d1caad49b023f58c054d3a5411bd67e8 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/a58cf264d1caad49b023f58c054d3a5411bd67e8)

* Integrated service for the resolve button which changes the status of the alert from “unresolved” to “resolved”.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/7377403966f8b994d06a5a59afc2ab45f9f07f93 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/7377403966f8b994d06a5a59afc2ab45f9f07f93)

* Worked on emergency button, which sends an SMS to the police after 15 minutes from the time the user clicks the button.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/59959d2e0da1e45f2352b01a5a47ef3ebb82566e (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/59959d2e0da1e45f2352b01a5a47ef3ebb82566e)

* Worked on using the data that I have created using a JSON file and implemented it.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/491d909cee1af4328af57f52368c5d6c4728f205 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/491d909cee1af4328af57f52368c5d6c4728f205)

* Added Progress Dialog for university screen, which appears when the fraternity screen is loading.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/55ff1a99160d2e34a649e6ba90a233be1aef6eae (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/55ff1a99160d2e34a649e6ba90a233be1aef6eae)

* Integrated Guard user Sign up service.

[https://bitbucket.org/gandhapuneni03/partyguard-android/commits/91f1d74f10c3dc05b788075365a8259893f7e572 (Links to an external site.)](https://bitbucket.org/gandhapuneni03/partyguard-android/commits/91f1d74f10c3dc05b788075365a8259893f7e572)

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 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 learnt how to use bitbuket for sharing the code with the other members in the team effectively.
* I have also learnt 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 user Postman for testing the response of the services given by the services team.
* I learnt how to implement singleton design pattern in java.
* I have learnt how to integrate services with the android application.
* I have learnt how use JSONLINT for finding the syntactical errors in the JSON data.
* Learned how to 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 learnt how to debug code in android.
* I have learnt how to deploy the android application in an android mobile.