

Group Project Proposal: Plantam

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CPSC 310

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1 Team Profile

- Anh
 - Database
 - Design
 - GUI development
- Bemnet
 - Database
 - Design
 - GUI development
- Binh
 - Database
 - Design
 - GUI development
- Brian
 - Database
 - Design
 - GUI development
- Isabella
 - Database
 - Design
 - GUI development

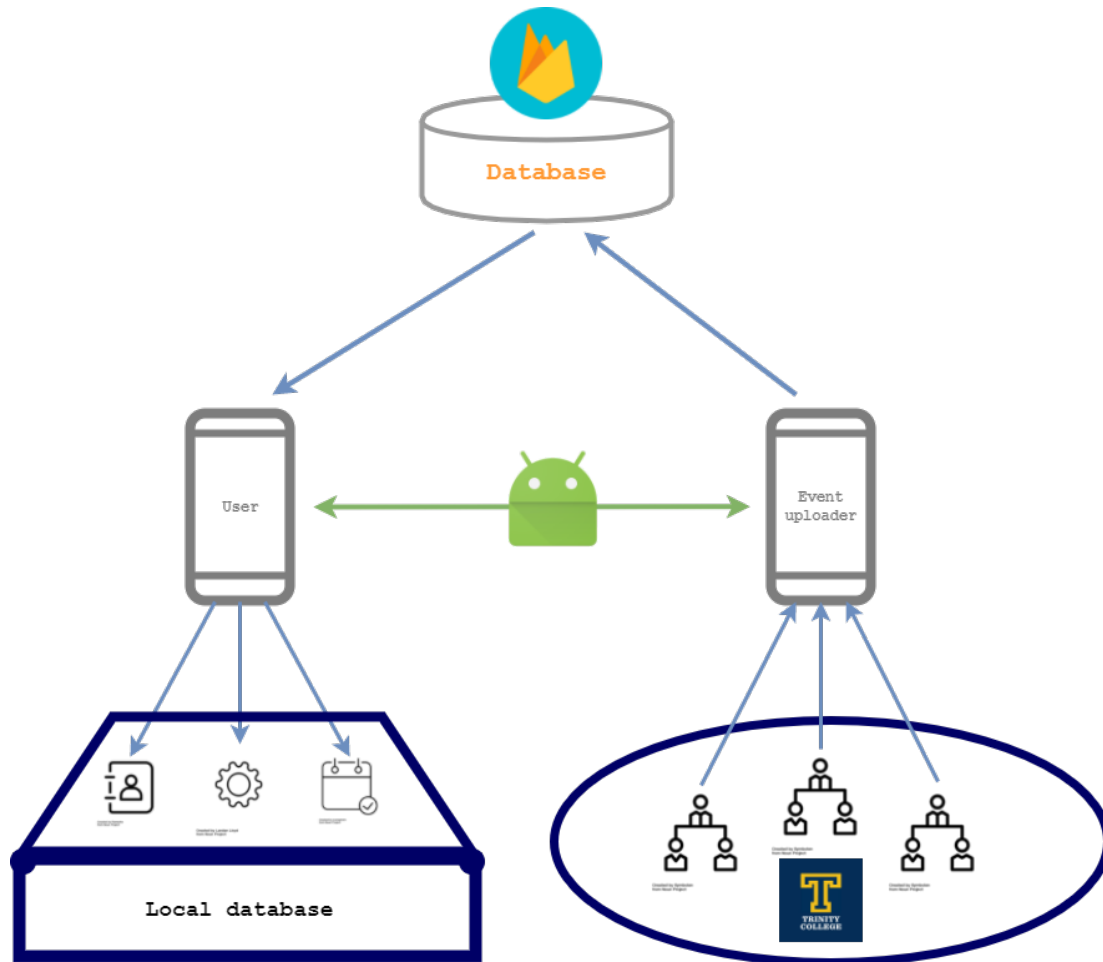
2 Project Summary

The app's main purpose is to sync one's private calendar with a public calendar of a community (Trinity students in this case) and let the user make use of the events and information provided in the public calendar to organize one's personal plan.

3 Project Statement

At Trinity, there are many events of all different types happening everyday on campus. However, due to current methods of communication (e.g. Facebook, email chains etc.), the majority of students are completely unaware, and many students who were initially notified of these events tend to forget details that are difficult to find again. Even when students put in the effort to broaden their horizons socially or academically, they often find it very difficult because different types of events are usually only advertised to people in certain niches of campus. Since most of Trinity's events are poorly publicized, students are missing a vital part of their college experience.

This directly impacts students' experience at Trinity and the connections they can create with others on campus. And with this app, we intend to provide a user-friendly platform for students to easily access public events on campus and plan their personal time along with it.



4 Project backlog

High-priority features:

- add public events to personal calendar
- view personal daily, weekly, monthly schedule
- view campus events with details (dates, locations, hours)
- delete an unwanted event from personal calendar
- edit details of an event in personal calendar (dates, time, location)
- notifications of public events
- reminders for personal plans
- authorized user can add events into the public calendar

Medium-priority features:

- display a list of public events that the user subscribes to
- display location of on-going events upon the users request

Low-priority features:

- to-do list
- view hours of stores/dining spots on campus
- inform the user if other contacts in users phone have similar activities/events at the same time

5 Timeline

Time	Sprint #	Features to be completed
9/27 to 10/11	1	<i>View personal daily, weekly, monthly schedule</i>
10/11 to 10/25	2	<i>Reminders for personal plans</i> <i>View campus events with details (dates, locations, hours)</i> <i>Notifications of public events</i> <i>Add public events to personal calendar</i> <i>Delete an unwanted event from personal calendar</i>
10/25 to 11/8	3	<i>Display a list of public events that the user subscribes to</i> <i>Display location of on-going events upon the users request</i>
11/8 to 11/22	4	<i>To-do list</i> <i>View hours of stores/dining spots on campus</i>
11/22 to 12/6	5	<i>Inform the user if other contacts in users phone have similar activities/events at the same time</i>

6 Technology requirements

- Software:
 - Android studio :

Android studio will be used to handle front end development. We will use XML to layout the user interface components and Java to provide functionality.
 - Firebase:

Since our app requires internet connectivity, Firebase will serve as our database. Firebase Cloud Storage will store and serve user-generated content. In order to retrieve and upload any data, we will attach event listeners to our app in Android Studio so that we can read, write, delete and update data. Even if the user loses network connection, the app will continue to function by maintaining necessary data locally.
 - Github
- Hardware:
 - Android phones
 - Laptops