

## **Calendar app proposal**

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### **Brief Description:**

A calendar app that is easy to share, manage events.

### **How this project comes to my mind:**

Most calendar apps are designed for one user, but actually in real life, things are more flexible than calendar events. Most events are joined by many people, anything good or bad happened to the event, most users won't know until they are told in person. My idea is to create a calendar app that events could be shared properly, and everyone can get updates about the event.

### **Vision:**

This is a calendar app between friends, workers, unknown strangers, because we are able to set correct permissions to events so that right accounts have the right ability to access. Events have dash board that allows owners or everyone to update on this event. Other participants could get notifications when someone updates the event. For example, I have an event set on the deadline of our project; I can invite my teammates to this event, then we update our progress on the dash board. If the deadline is changed, someone can update the event and all of us get notice; if someone is behind the schedule, we are able to notice and give help; if someone tackled with a hard problem, everyone knows.

Private events are invite only events, while public events are able to join by shared link, nearby search, etc. Let's say the 403 calendar is public events that professor shared to us by a

link like google calendar on our course calendar page. After we joined the event, our professor, as an owner, left a note on Thursday's section, we all get notification to that. Professor could also setup a public lecture that it could be searched by nearby users if they are interested or they have a lot of time to kill.

#### Software Architecture:

We planned to implement the app on android and have a server that can assign permissions to account and event, and retrieve the right data from database.

#### Challenges and Risks:

One of the challenges of this project is to perform a well-designed gui so that our users can setup the events easily, and get notification clearly. The risk we see so far is to fully implement all these features and sharing concept that could compatible with current calendar app like google calendar and iCal.

#### **Design Changes and Rationale (Beta Release):**

No major changes made to our project proposal.

#### **Design Changes and Rationale (Feature-Complete Release):**

No major changes made to our project proposal.