DOWN2GO

6.170 Initial project pitch
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Problem: A group of friends is deciding what to do on the weekend

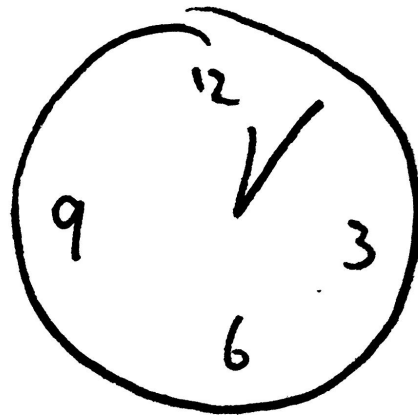**Problem:** A group of friends is deciding what to do on the weekend

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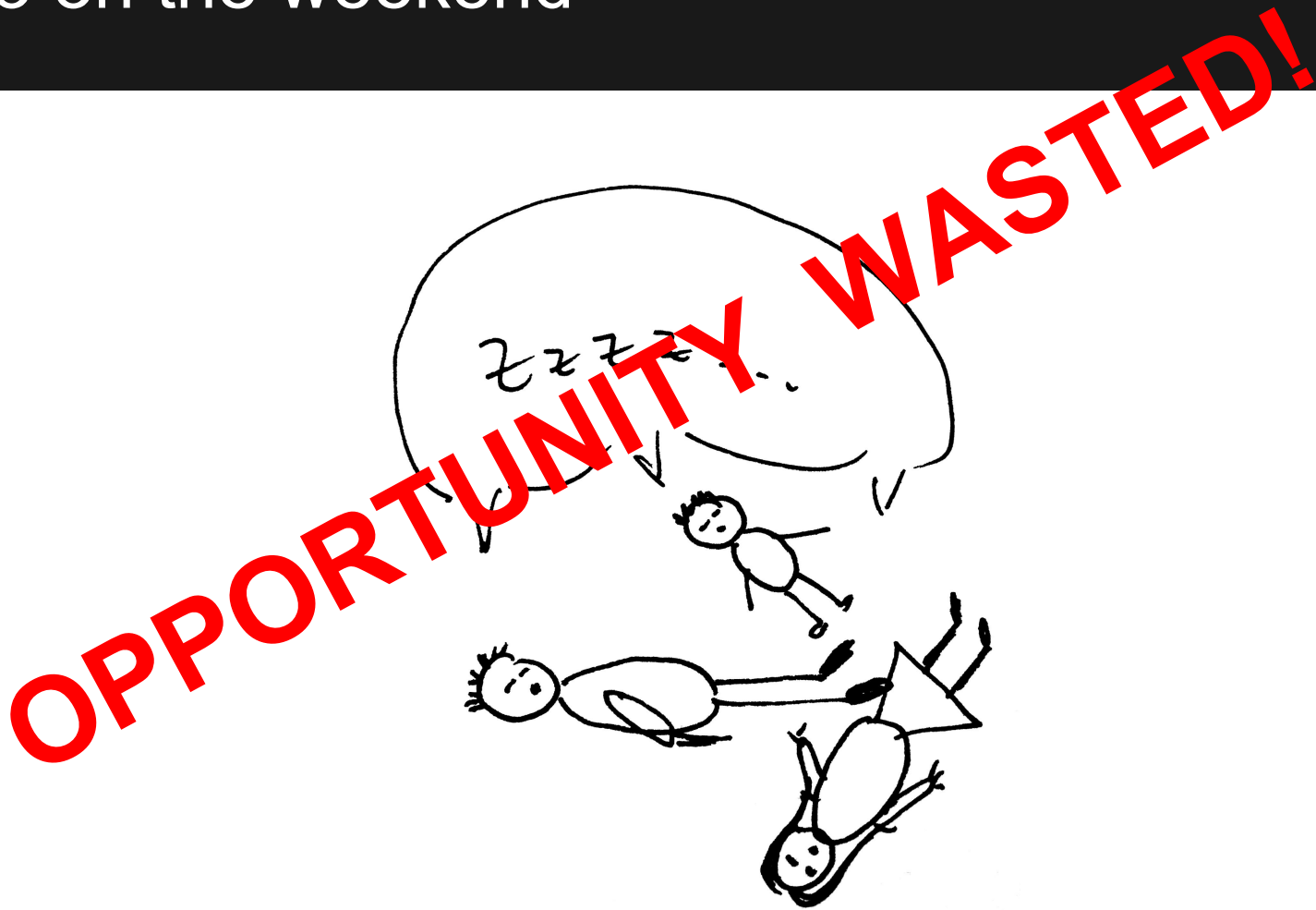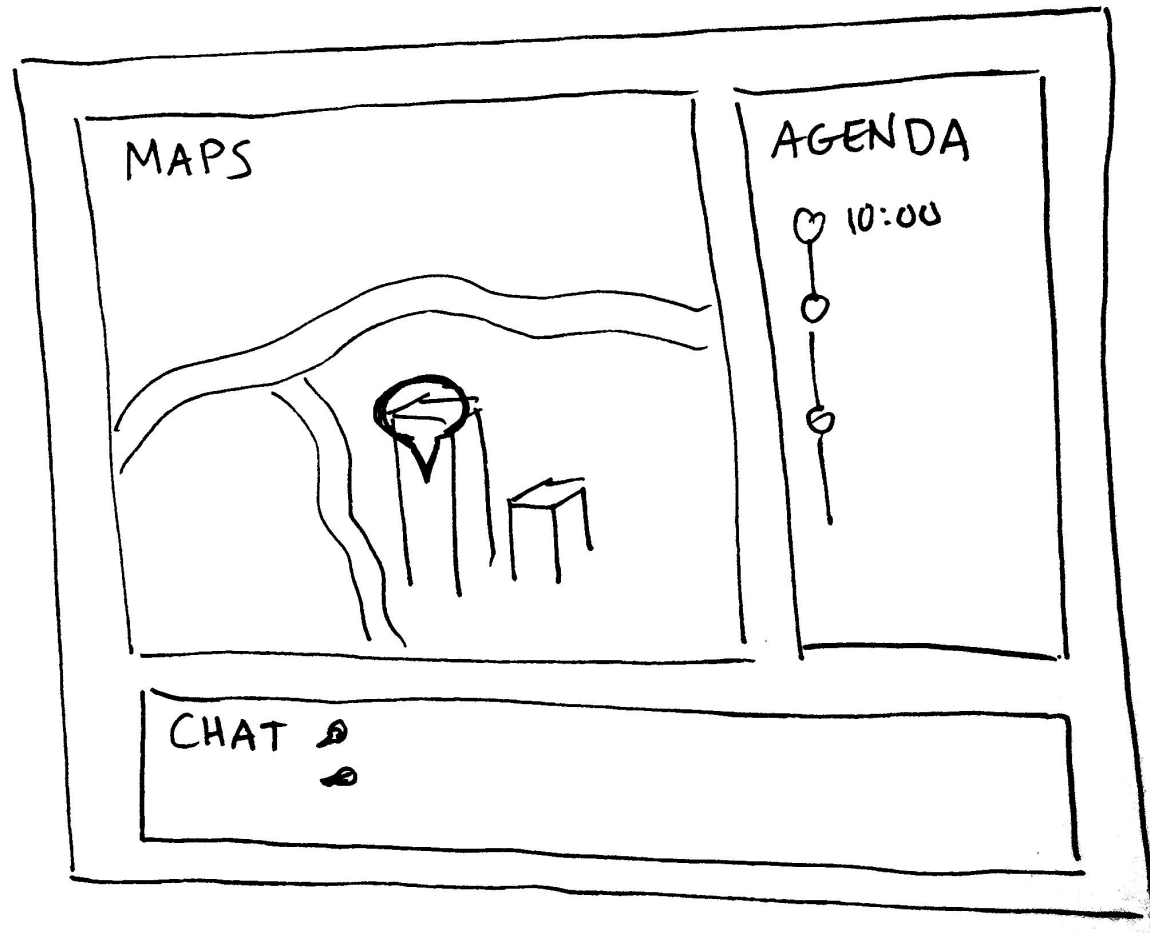
SAY HELLO TO DOWN2GO!

Features

Real time chat

Google Maps Integration
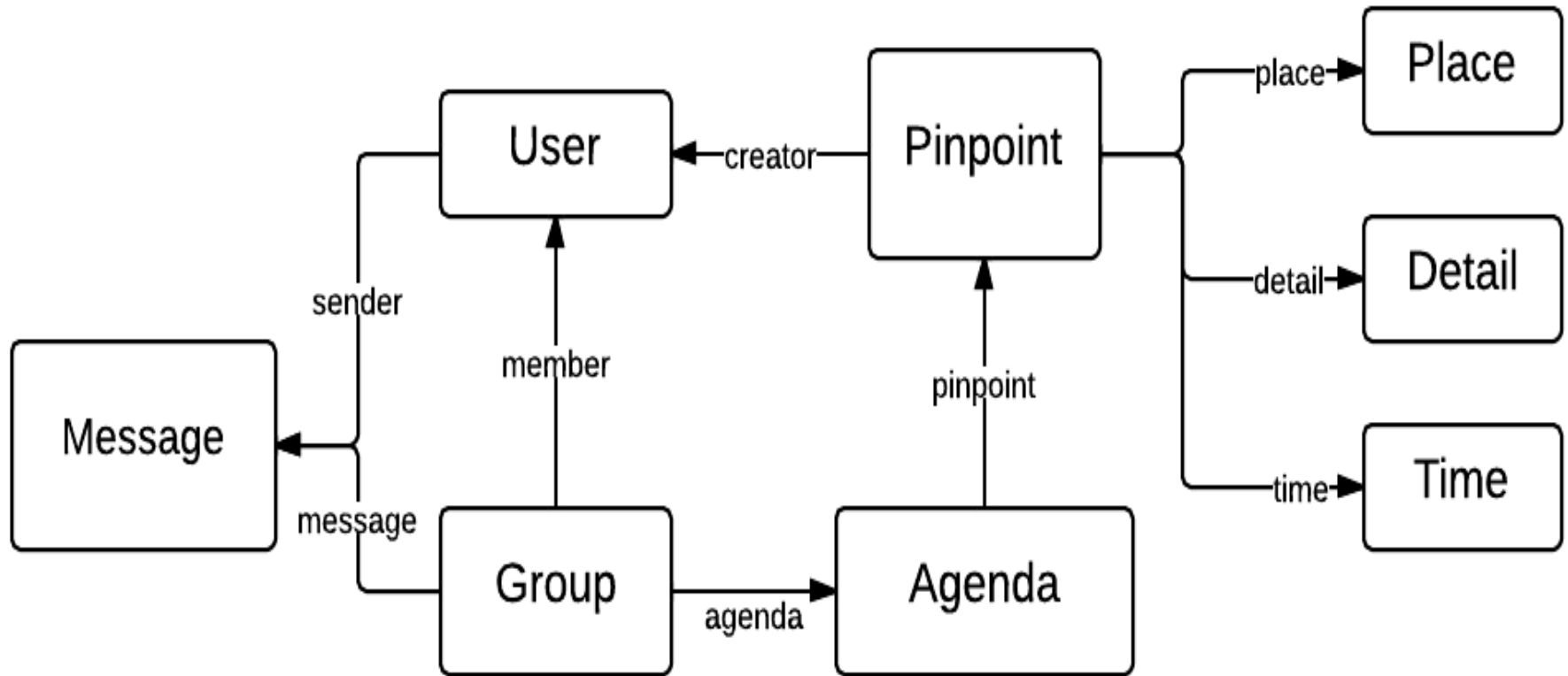
Mark your activities

Create an agenda

Concepts

MAP/PINPOINT visual representation of activity/ idea

AGENDA schedule to follow

GROUP group of friends with common goal (to have fun together!)

Data Model

Challenges and Risks

Displaying a map and allowing users to interact with it
Google Maps API

People averse to using another app to deal with a real life problem
Very minimalistic, flat UI design
Easy to sign up (login by MIT certification?)

Make our system real-time

Pick up a plug-in, for example, Pusher

Challenges and Risks cont.

Concurrency: people may edit the same marker at the same time, or send chat messages at the same time

Implement a lock for the marker on the server that allows only one user to work on a marker at once. For chat, we will implement a versioning record that keeps the order of messages according to when they arrived on the server