6.170 TeamWork Plan

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PART 1 STAKEHOLDERS

The Stakeholders for our application consist of consumer roles and organizations whose applications we are using to build our own. This includes:

- Any person or group of persons who will use the application. These people will generally be those who need to plan some sort of trip consisting of at least one location. They take on the role of beneficiary, or user.
- The four of us developing the application. We are the maintenance operators for the main application.
- Google, whose application, Google Maps, we are integrating into DOWN2GO. Google's role is that of a responsible organization, in that they are responsible for maintaining the Google Maps app.
- Pusher, whose eponymous application is being used for the realtime chat system. Pusher, just like Google, has the role of an organization responsible for maintaining the Pusher app.

PART 2 RESOURCES

- Pusher Realtime API Cloud -- A cloud service to help us to push real time messages and other information to the users
- Google Map Services -- We will user Google Map to visualize the place and let the users pin on the map.

PART 3 TASKS

MileStone	Task	LOE	Main person	Deadline (night)
4.2	login implementation	2 hrs	Yang	11/14
	cabal creation implementation	5 hrs	Yang	11/16
	cabal page logic (invite people, quit)	5 hrs	Yang? If the previous one went well	11/16
	chat implementation	4 hrs	Chongyuan	11/16

	agenda implementation	5 hrs	Lucy	11/16
	agenda real time integration	6 hrs	Chongyuan	11/17
	user's memo (a list of cabals or agendas)	5 hrs	Andre	11/17
	UI design - basic layout	5 hrs	Lucy	11/17
4.3	UI design - enhanced, including logo design	6 hrs	Lucy	11/24
	revised design document	3 hrs	Everyone	11/24
	unit tests for models	5 hrs	Andre	11/24
	security mitigation	2 hrs	Yang	11/24
	agenda evaluation implementation	8 hrs	Chongyuan	11/24
	map integration	10 hrs	Yang	11/23
4.4	manually test website functionallities	1 hr	Andre	12/8
	potential bonus feature	NA	Everyone	12/8
Other	meeting agenda, report and minutes	2 hrs per week	Chongyuan	11/13, 11/20, 11/27, 12/4
	critiques for other teams	1 hr each time	Lucy	11/20, 12/2
	presentation slides	2 hrs each time	Everyone	11/17, 12/8
	presentation rehearsal	1 hr each time	Everyone	11/17, 12/8

PART 4 RISKS
- APIs--what if they don't work? e.g. Google Maps

- - Look for alternatives that could work or change design to fit what is available.
  - Time--what if a member cannot finish his/her task on time?
    - Discussed in the team contract. We will assign tasks based on the best estimation of each person's availability and capabilities.

PART 5 MINIMUM VIABLE PRODUCT

5.1 Subset of features

- **Group planning.**
- **Real time discussion.**
- **Automatic agenda generator.** This will be half done because we do not have map integration for MVP, so people have to enter the place by hand.

5.2 Issue postponed

- Security issues: message encryption, user sign up email confirmation, ...
- Nice User Interface
- More features: Agenda Evaluation, Map, Trip Suggestion, …

5.3 Justification

This MVP still gives users an option to plan their trip better than normal chat. Although a map is not implemented, a visualized agenda is created for them so they do not lose the information they already talked about.

Also, the MVP is easy to transformed into a final app. When we add a map, we just replace entering the place by hand into pinning in the map. The agenda and the chat should pretty much keep the same.