Writing the project plan gives you a chance as a team to think about your goals for the project, what challenges you'll face, and what you'll do if things don't go according to plan. Don't waste the chance by treating it as a chore to be dealt with perfunctorily.

Your team plan document should include:
- The functionality you plan to have completed for each milestone. The milestones are Proof of Concept, Minimum Viable Product, and Finished Product. See the sections below for what is expected at each one.
- A list of implementation and other tasks to be completed by the team, broken down into manageable chunks. We expect roughly 10-20 such tasks. Each task should have an assignee and deadline.
- A brief paragraph explaining what you will do if something goes wrong. This should contain some substantive ideas, such as particular tasks that will be dropped or functionality that will be cut back.

Milestones:

1. Proof of Concept
   a. Intro page with login username, password
   b. Main page general layout with ~5 different businesses
   c. Each business has admin broadcasting capability
   d. Each business has a forum/chat comment feature
   e. Each business has a check in feature
   f. Some data hooked up to SQL backend
   g. Profile page to input information (change user/password, location, type of user)
   h. Check in with Alta stakeholders
2. Minimum Viable Product
   a. Ability to add admin accounts for business
   b. Admin can broadcast for their business
   c. Users can comment on the business and its broadcast
   d. Users can check-in during business hours and see capacity per time slot
   e. All of the above fleshed out for one business
   f. Check in with Alta stakeholders
3. Finished Product
   a. Improved UI and user experience (better display of information)
   b. Add ability to send notifications/major announcements to handle abnormal events
   c. Add broadcast, comment, and check-in functionality for different businesses
   d. Searching ability for businesses (more)
   e. Store information in persistent database
   f. Check in with Alta stakeholders

Tasks:

Deadline	Assignee	Task
11/20	Guang	Configure sql, check-in feature, check-in and general
11/20	Kevin	Main page general layout, broadcasting feature, check-in and general
11/20	Qiuyue	Profile page, comment feature, check-in and general
11/20	Tiffany	Intro page, comment feature, check-in and general
12/2	Guang	General UI discussion & implementation
12/2	Kevin	Flesh out comment feature user accounts, and general
12/2	Qiuyue	Flesh out check-in and broadcast, and general
12/2	Tiffany	Flesh out check-in, user accounts, and general
12/9	Guang	Abnormal event handling and ui improvements
12/9	Kevin	Persistent database implementation and ui improvements
12/9	Qiuyue	Search bar implementation and ui improvements
12/9	Tiffany	Add more businesses and ui improvements

Plan B (what we'll do when something goes wrong):

If we cannot seem to get commenting to work reasonably, we will cut out that functionality.

If we cannot get SQL integration working well, we could try to pivot to Firebase, which we are somewhat familiar with.

If we are struggling with visual design aspects, it's fine to have a proof of concept or MVP with less than ideal UI, that we can improve in the future.

In general, we probably don't anticipate too many major issues with functionality. However, we will emphasize the need to be proactive throughout the process and set mini-deadlines to stay on track with everything. We will also be in contact with stakeholders in Alta throughout our development process to make sure they are on board with our functionalities.