

1) Take a picture/screenshot of your white board, post it notes, Google doc, or whatever you use for initial brainstorming.

- April 11 (Friday), RAPS
- March 13 (Thursday), Initial Design documents due
- March 16-21, Spring Break
- April 21 (Monday), Demo Video and Draft submission of all materials due
- Finals Week, All FINAL MATERIALS due

Features:

- Backend (probably python/Django/mysql)
- Frontend (progressive webapp)

Timeline:

- Basic DB/API structure at first, frontend development in parallel
- Focus majority of project on frontend
- Online functionality would be done early as a base for the offline functionality.
- Offline functionality/caching would be done early to mid process because it might be a big roadblock

Design format - 1 week (Due Wednesday 3/5)

Design - 1 week (Due Thursday 3/13)

Bootstrap Django + Basic DB - 1 week

API integration / mostly finished backend - 3 weeks after db

Basic frontend model - 1 week

Integrating online functionality - 2 weeks

Integrating offline functionality - 4 weeks

Search team name to get id -> search players matching that id

Team {

id int (primary key)

teamName varchar

}

Direct player searching too

```
Player {  
    id int (primary key)  
    firstName varchar,  
    lastName varchar,  
    playerNumber int,  
    email varchar,  
    phoneNumber varchar,  
    teamId int (foreign key)
```

```
}
```

```
Note {  
    id int (primary key),  
    playerId int (foreign key),  
    content varchar,  
    isVideoLink boolean
```

```
}
```

APIs:

GET /teamSearch?name=...

URL Param: name - name of the team

Returns:

A json list of teams matching the search

GET /playerSearch?lastName=...

URL Param: lastName - last name to search for

definitely want more ways to search.

Returns:

a json list of players matching the search params

GET /allPlayers?teamId=...

URL Param: teamId - id of the team (from /teamSearch)

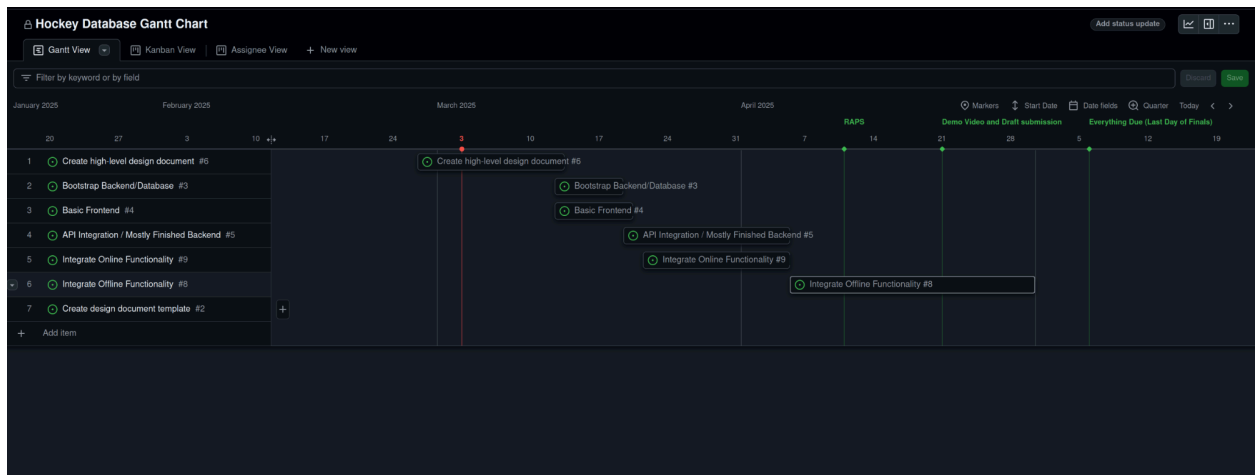
Returns:

A json list of players who are in the team

2) Tell me what GANTT chart tracking software you've chose to use (Excel, Google sheets, dotProject, etc.)

GitHub Projects

3) Submit a PDF version of your initial schedule with half week intervals. It should show the critical path, dependencies among subtasks, who will do what, etc.



We recognize that we did not decide who will do what, as well as include many subtasks. It is hard for us to evaluate effectively what subtasks we need to do until we do our design document. We plan on updating this GANTT chart and making it a lot more in-depth as we advance in this class.

4) Propose a plan for updating the GANTT chart each week. Will you meet to update it collectively? Will you identify one person who will be in charge of actually updating the GANTT chart and exporting a PDF version along with some high level notes about how it has changed (more subtasks added, some subtasks completed, critical path slipping, new estimates)?

Our plan for updating the GANTT chart is to meet weekly during Thursday's class time and update it collectively. To keep up with half week intervals, we may also coordinate over group text.

5) Describe your anticipated/target MVP as well as at least one "Plan B" MVP for if the schedule is slipping and a "Plan A+" if things are going really well.

Our target MVP is a database website/PWA (progressive web app) for the women's hockey coaches that contains data (such as notes, team information, and video) on players. The website should have both online and offline functionality.

Our plan A+ would provide more quality of life features. Specifically, the ability to scrape roster data and use AI to format the roster and import it automatically.

Our plan B would limit the offline functionality as that seems to be the crux of the project. It would still have online functionality as it is essential and easier to implement.

6) What is on the critical path in your GANTT chart towards your MVP?

The critical path in our GANTT chart includes all sections except for the offline functionality. Offline functionality is a major feature that we should have, but is not strictly necessary for a working product. We intend to have a more fine-grained GANTT chart once we have a more comprehensive design.

7) Identify a list of key risks to the success of your project. Make a plan for resolving the risks as early as is possible.

1. Offline functionality
2. API integration

Our plan to mitigate these risks starts with tackling these tasks as early as possible. Given these tasks' scale and complexity, we plan to allocate them to slightly larger teams to even out the workload and expand the team's skills. Unfortunately due to the nature of the offline functionality, we can't start work on it until the rest of the site is somewhat built, meaning the earliest work could begin on it would be about midway through the project.