

CAPSTONE TWO  
PROJECT PROPOSAL  
Laura Lee Gwinn

**1. What tech stack will you use for your final project?**

React and Node.

**2. Is the front-end UI or the back-end going to be the focus of your project? Or are you going to make an evenly focused full-stack application?**

Probably will focus more on the back-end. The functionality of the app will be time-intensive.

**3. Will this be a website? A mobile app? Something else?**

Since I don't know what actually makes something a 'mobile app' as opposed to a website, I'm thinking it will be a website. However, it's something that will be used more like an app.

**4. What goal will your project be designed to achieve?**

The goal is to have a website that a user can log into and see, at a glance, upcoming shows in their area from their favorite artists, without having to wade through ads and other unnecessary information and conducting multiple searches from some other source.

**5. What kind of users will visit your app? In other words, what is the demographic of your users?**

Target user is someone who enjoys music and likes to attend local concerts. Technically though, users can search for more than just musical artists. Anything available through Ticketmaster is searchable.

**6. What data do you plan on using? How are you planning on collecting your data?**

I'll be using data from the Ticketmaster API, including concert dates, geographic locations, and venues. In addition, I'll create my own API to manage user flow and data.

**7. In brief, outline your approach to creating your project.**

**a. What does your database schema look like?**

Users: id(PK), first\_name, password, zip\_code, email, fav\_artists

**b. What kinds of issues might you run into with your API?**

There are multiple ways to search data in the Ticketmaster API, each with similar-sounding parameters, each producing slightly different results. I'll need to make sure I'm using the most efficient request to avoid making multiple calls.

**c. Is there any sensitive information you need to secure?**

User passwords.

**d. What functionality will your app include?**

Users will create an account to save their favorite artists and location. Users will be able to mark shows as 'attending' so that they show up on a separate list. Users will be able to access venue information, ticket purchase information, and artists' websites.

**e. What will the user flow look like?**

User logs in. Home page will be a list of upcoming local shows for their favorite artists. They can click on any of the shows for more information. If a new show has been added

since the last visit, this show will be highlighted as new. They can click a button to change to a calendar view (I hope). User can navigate to other pages to edit their account information, add new artists to their favorites, change search criteria (like geographic radius).

**f. What features make your site more than a CRUD app? What are your stretch goals?**

User accounts with saved favorites is beyond CRUD. The main stretch goal is the calendar functionality. In addition, I may try to implement a feature for the user to forward show details to an email address. Lastly, I'll work to implement auto-suggest for artists or cities if possible.