

# Project Plan

A portfolio website and a blog service will be developed for a local artist, Jace. The website will allow Jace to post new music as well as blog posts. The website will allow the artist to gain exposure and start to create a following. The target audience will be people who like music and would like to stay up to date with new releases from Jace.

## Use Cases

### Use Case 1

Name: Jace

Age: 22

Location: Chicago

Jace is a 22-year-old artist. Jace logs in to the website and can now modify his website in different ways. He can choose to modify his blog posts and songs.

#### Uploading a new song:

Jace clicks the add a new song button. He is taken to a page where he can upload an audio file from his computer.

## Deleting a song:

Jace clicks an edit button near the songs. This action causes delete buttons to appear by each song.

## Modifying blog posts:

From the home page, Jace can create a new blog. He can add a title, a body and an image. Jace can also edit a previously posted blog and even delete blogs.

## Use Case 2

Name: Chris

Age: 21

Location: Chicago

Chris is a local music enthusiast. He is active on social media sites. He follows many hip-hop blogs like Pigeons and Planes and Fakeshore Drive. Chris can go to Jace's site to view blog posts, listen to songs, and share content on his social media. In this case, Chris lands on the homepage where he listens to a few songs. Chris then shares Jace's site on his twitter account.

Chris also browses through some of the blog posts and decides to sign up for the mailing list to receive updates on new content. Chris can also follow the links to Jace's social media accounts.

# Technologies

The website will follow a more traditional method of deploying websites. The client side technologies will be HTML CSS and JavaScript. Java will be used on the server side. I am also planning on using one of the Database as a service for example Amazon's DynamoDB.

## User Interfaces

- Responsive Interface - The site will have a mobile-first responsive interface to improve user experience.
- CSS3 animations – Animations and micro interactions to improve the interface.

## Server Technologies

- API Server - The service will be the blog functionality.
- File Uploads – File uploads will happen when adding a new song and uploading images for blogs.
- Email Integration – Users will have the ability to sign up to the mailing list to stay up to date with the latest content.

## Database

- Database as a service

## Service Integration

- Facebook Login – Jace will be able to login via Facebook.

## Backup Technologies

- Angular – Create an Angular application
- Other Authentication method – I might use another login service so Jace won't have to login through Facebook.

## Outline

Week 1	Intro
Week 2	Research – start researching to choose an Idea for the project.
Week 3	Project Scope and Plan – Setup GitHub repository and create a plan for the project.
Week 4	Design Research – Begin to define necessary components for the site.

Week 5	<p>Basic HTML, JavaScript and CSS - Setup files and start working on the skeleton for the site. Work on login for the page.</p> <p>Goal: Login functionality complete</p>
Week 6	<p>Basic HTML, JavaScript and CSS - continue to add details and styling. Begin working with the server side technologies and Database.</p> <p>Goal: First end to end request run.</p>
Week 7	<p>Blog service - Continue to work with backend and start to get the blog service working.</p>
Week 8	<p>Goal: Blog functionality complete.</p>
Week 9	<p>Integrating services -</p> <p>Goal: Mailing list functionality complete</p>
Week 10	<p>Mid project Checking</p> <p>Goal: be able to show functionality of basic website.</p>

Week 11	Work on any recommendations from midweek check-in.
Week 12	Continue to work on styling and functionality..
Week 13	Goal: Page functionality is complete.
Week 14	Goal: Page styling is complete.
Week 15	Presentation
Week 16	Presentation