

Meta University Eng Project Plan

Danceaton

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GitHub Repository Link: <https://github.com/ogouba/Capstone>

Overview

My project is about building an app that connects people who have a passion for dance, or who want to view dance videos to workout, or for entertainment of seeing other people dance.

- Category: [Social Networking]
- Story: [Users would be able to log into the app and select a range of dance videos to choose from, arranged according to type. Not all the videos would be free as such users would have to pay to get access to it.]
- Market: [The market is aimed for people who are looking for a dance workout for exercise purposes, looking to dance for leisure, or further their dance skills]
- Habit: [This app could be used by people who work out daily, but on average it is expected that users log into this app an average of about once a week.]
- Scope: The scope of this app is videos, dance videos to be precise. The idea of this app is to tailor

Product Spec

User Stories

Example Dance app:

- User can login
- User can create an account
- User can create / edit / delete posts
- User can view a feed of posts
- User can like videos, and it is updated to their liked playlist
- User can see their profile, and other people's profile
- Users can view other people's posts on the app
- User can create multi-media (photos, videos) posts

Optional

- User can create multi-media (photos, videos) posts
- User can see notifications of actions made by their friends
- User can edit their profile information
- User can see their friends' profile
- User can comment on posts
- User passwords are encrypted in the database for security

Screen Archetypes

Header

-
- Logo
 - Navigation Menu (Desktop)
 - Search Bar (Optional)

Hero Section

-
- Banner/Image
 - Headline
 - Subheading
 - Call-to-Action (CTA) Button

Main Content

-
- Section 1:
 - + Heading
 - + Text
 - + Images/Videos

- Section 2:
 - + Heading
 - + Text
 - + Images/Videos
- ...

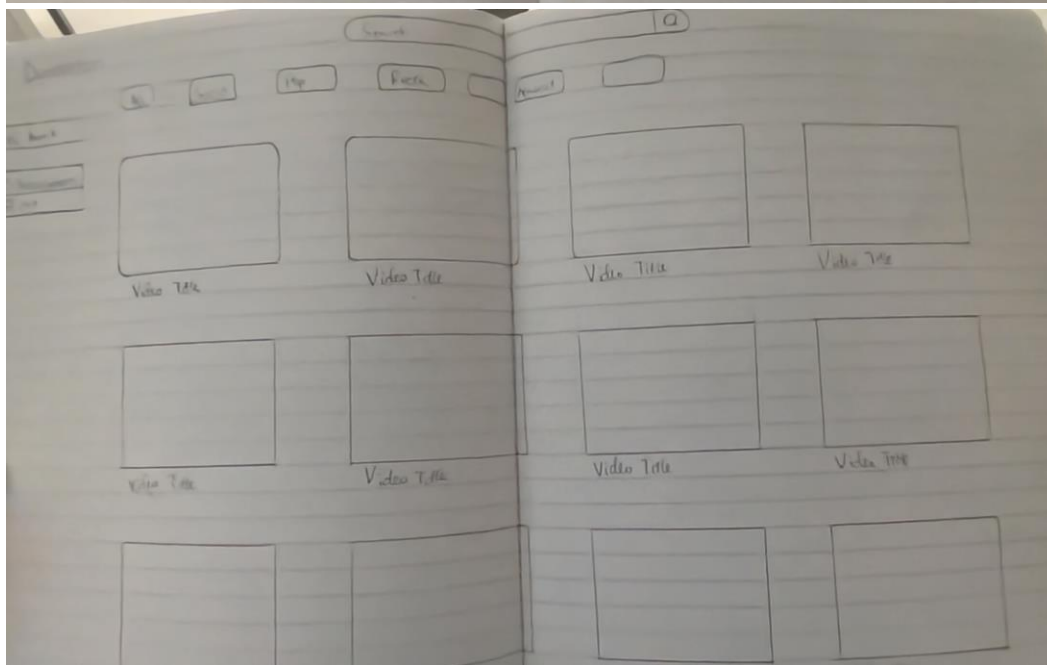
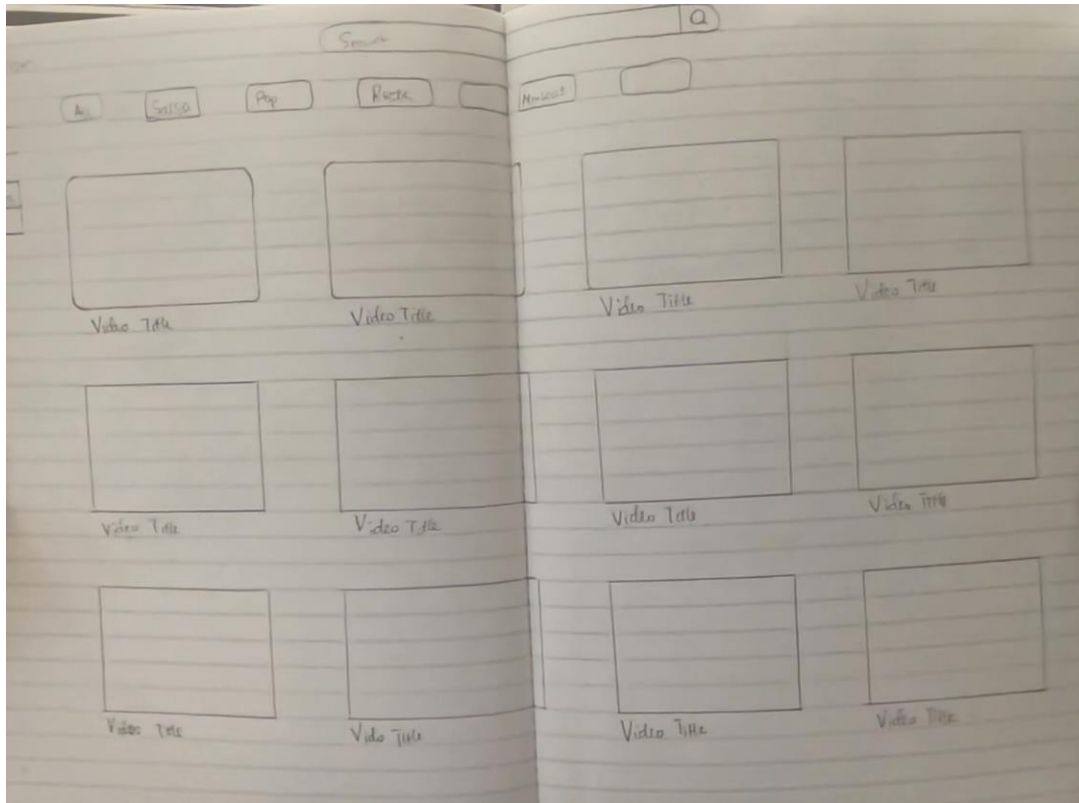
Footer

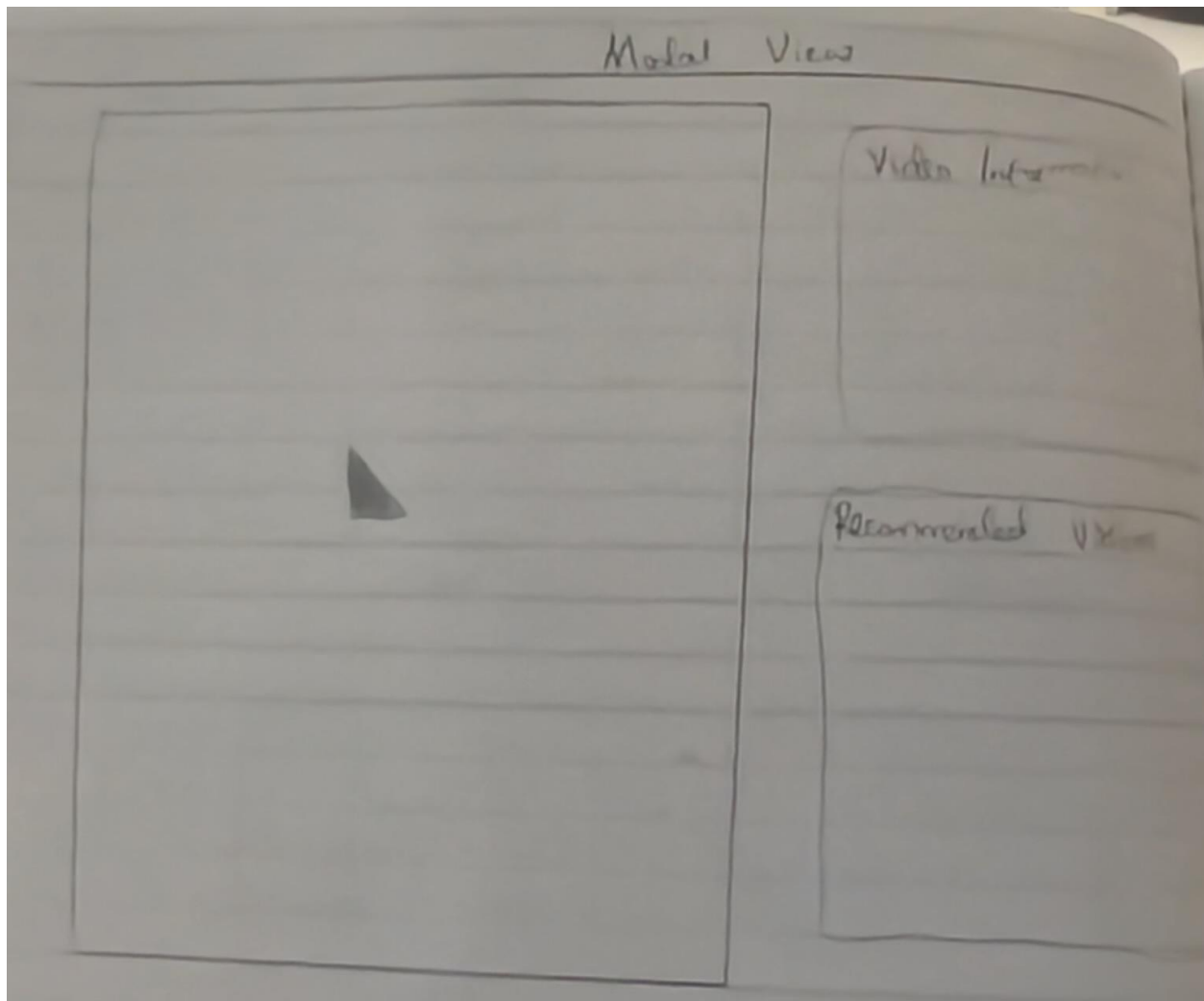
- Copyright Information
- Social Media Links
- Contact Information
- Privacy Policy/Terms of Use (Optional)

Mobile Navigation (Mobile-only)

- Hamburger Menu Icon
- Navigation Menu (Mobile)

Sample design of what the frame is supposed to look like





Data Model

I would be using MongoDB, and Prisma. This is what a sample would look like

```
model video {  
  id Int @id @default(autoincrement()) @unique  
  imageUrl String  
  VideoUrl. String  
  title String  
  category String  
  description String
```

author String

}

Server Endpoints

I would be using Insomnia, REST, GET/POST,

Project Requirements

[Based on the Project Guide, describe how your project is going to be fulfilling each of the base project requirements. My Project has all the basic requirements

- My app provides multiple opportunities for me to solve technical challenges
- My app interacts with a database (e.g. Parse)
- My app integrates with at least one API (that I didn't learn about in Code Path) – free APIs only
- You can log in/log out of your app as a user
- You can sign up with a new user profile

Technical Challenges

Technical Challenge #1 - [Name/Small Description]

What: a feature that recommends videos based on the tastes of the user.

How

I will write an algorithm to make recommendations to users based on the info they put in when they first sign into the app and eventually the algorithm would be able to recommend videos based on the user's searches. Using tensor flow, or Pytorch.

Technical Challenge #2

What: a feature that makes users able to zoom into the video from a specific point in which they double click while they are viewing the videos.

How

I will utilize an npm package editly (a video editing API), and other JavaScript libraries that support video editing.

External APIs

I would need a YouTube video API of workout videos for the app., and other APIs to get dance videos such as Spoonacular, OpenWeather.

Authentication

I would be using password for my user authentication. And using a javascript library bcrypt.

Visuals and Interactions

- Interesting Cursor Interaction
- UI Component with Custom Visual Styling
- Loading State

Timeline

M U W e e k	Proje ct Wee k	Focus	User Stories
4	1	Focus on the components that will serve as the skeleton of your project. I would be majority of the frontend and designing this week and get started on the backend	<p>Example:</p> <ul style="list-style-type: none"> • User can create / edit / delete posts • User can view a feed of posts • User can like videos, and it is updated to their liked playlist • User can see their profile, and other people's profile • Users can view other people's posts on the app • User can create multi-media (photos, videos) posts
5	2	This week's focus would be on the specific requirements of doing user authentication	<p>Example:</p> <ul style="list-style-type: none"> • User can login • User can create an account • [Optional] User passwords are encrypted in the database for security
6	3	The week's focus would be on technical challenges	<p>The technical challenges:</p> <ul style="list-style-type: none"> • writing algorithms to help with user recommendations
7	4	The second technical challenge would be this week.	The technical challenges:

			<ul style="list-style-type: none">
8	5	<p>Continue working on finishing touches and stretching goals for my capstone project.</p> <p>This week would also be for submitting my self-review.</p>	<ul style="list-style-type: none"> Finishing touches
9	6	<p>I will work on a presentation and demo that I will present to other interns to showcase my work.</p>	<ul style="list-style-type: none"> Finishing touches: continue polishing and expanding on the project!
10	7	<p>For this week, I have a bunch of extra activities prepared to give me a quick dive of what it is to work at Meta, using internal tools and frameworks, and even committing code to Meta's internal repositories.</p>	