Goal

This is an AI-powered image recognition tool. Users can log on or sign up to use this tool. The point of having this tool be account-based is that user data will be stored so that they can return to the tool with their information and past uses saved. This account-based capability will be facilitated by AWS. I will use AWS to create user authentication and cloud-based data storage for this tool. Hopefully, by the end of this project I have learned how to integrate AI functionality in a web-based service, gained useful experience with a cloud-computing service (AWS), and improved my front-end development skills with something like React.

Flow

1. A user enters the site
2. Account page
   1. User logs in – go to 3.
   2. User creates account – go to 4.
3. Main Menu
   1. Settings – Settings menu pops up
   2. Create/Choose Topic – all subsequent image uploads will be categorized under this topic
   3. User uploads image – AI will begin processing the image, and then create a textual summary of what it sees

Development Plan

1. Control flow diagram ✅
2. Create wireframe to identify features
3. Develop front-end from wireframe (use React)
   * Create pages without AI or cloud functionality
4. Implement functionality with AWS
   1. Implement AI image recognition functionality (AWS Rekognition)