CSC 450 Capstone Project

Milestone 1 Status Report

## Group Members

Elisha Bjerkeset (front end), Kristen Thomas (back end), Carl Fredrickson (database)

## Milestone

1

## Milestone Presentation Date

9/17/2025

## Project Manager for Milestone

Carl Fredrickson

## Project Idea

Pet Adoption Platform

## Project Description

This app will help match pets with adopters. Animal shelters will be able to list pets that are available for adoption. Adopters will be able to view available pets, communicate with animal shelters, and submit an adoption application.

## How This Project Meets the Requirements

* Desktop or Web application (with optional of Android app)
  + The Pet Adoption Platform will be a web application.
* User authentication and user management
  + Animal shelters and adopters will create accounts and log in to use the platform.
* Messaging (not external email)
  + Adopters and animal shelter staff will be able to communicate using a messaging feature.
* User profile, dashboard
  + Adopters will have a dashboard showing recently viewed pets and animal shelters near them.
  + Animal shelters will have a dashboard showing how many views they’ve received, and which pets have generated the most interest.
* Some form of transactions between users
  + Adopters will be able to submit an adoption application.
* Use of database (at least five tables)
  + TBD – with the features listed, it’s likely that at least 5 database tables will be needed.

## Development Tools

* Team communication
  + Slack
* Version Control
  + GitHub
* Project Management
  + GitHub Projects???
* Front end
  + React
* Back end
  + Next.js (JavaScript)???, Express.js (JavaScript)???, Spring Boot (Java)???
* Database
  + PostgreSQL???, MySQL???, MongoDB???
* Web hosting
  + ???

## Action Items Completed for Past Milestones

* N/A

## Action Items for This Milestone

* [All, Target Date 9/17] Choose front end, back end, and database framework for app.
* [All, Target Date 9/17] Choose and install front end, back end, and database developer tools.
* [Carl, Target Date 9/21] Design database schema and create Entity Relationship Diagram.
* [Kristen, Target Date 9/21] Define back end requirements and architecture.
* [Elisha, Target Date 9/21] Define UI styling and design components.

## Action Items Completed for This Milestone

* [Kristen, Completion Date 9/12] Set up GitHub repository.
* [Carl, Completion Date 9/15] Create basic application design based on project requirements. See design document for details.
* [Elisha, Completion Date 9/15] Create design ideas for app, focusing on mobile.
* [All, Completion Date 9/15] Review basic application design and approve or propose changes.
* [All, Completion Date 9/15] Determine main areas of focus for each team member.

## Action Items for Future Milestones

* [Team Member(s), Target Date] Action Item

## Notes

[General project notes, things to keep in mind for later, etc.]