COURSE NAME: Software Project Management (SWE321)

Instructor: Dr. Fatma Helmy, Dr. Ahmed Taha, Dr. Mohamed Seif

TAs: Eng. Salma Osama, Eng. Bassant Kassem

**Lab 4**

horizontal line

# PROJECT CHARTER TEMPLATE

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Participants** | | | |
| Name | Pet adoption Platform | | |
| Stakeholders | Project Sponsor | MIU | |
| Customers | Shelters  Pets adopters | |
| Contractors |  | |
| Project Team and Project Manager | | |
| Project Manager |  | Email Address or Website |  |
| Assistant Project Manager |  | Email Address or Website |  |
| Project Team | Mariam Mostafa  Marina Rizkallah  Salma Sherif | | |
| **Project Description** | | | |
| Goal Statement | The **Pet Adoption Agency** project aims to create an engaging and user-friendly **frontend application using React.js** that connects potential pet adopters with available pets. The platform will allow users to browse adoptable pets, view detailed profiles, and submit adoption inquiries efficiently. The goal is to simplify and enhance the adoption experience through modern UI/UX design, providing an accessible and seamless interface for users.  This project will focus on **developing the frontend only**, ensuring a **responsive, interactive, and visually appealing** experience. The system will include search and filtering features, a pet detail view, and a basic adoption inquiry form. The platform will lay the foundation for future integration with a backend system to support full adoption workflows. | | |
| Description and Background | Pet adoption processes often suffer from outdated or inefficient digital platforms, making it difficult for users to find the right pet. By leveraging **React.js**, this project will provide a **modern, scalable, and mobile-responsive solution** that simplifies the pet search and adoption inquiry experience. The platform aims to help pet adoption agencies increase adoption rates by improving accessibility and usability. | | |
| Objectives | * Develop a responsive and interactive frontend using **React.js**. * Provide an engaging user experience with smooth navigation and accessibility. * Implement filtering and search functionalities for easy pet browsing. * Allow users to view detailed profiles of adoptable pets, including images, breed information, age, and health status. * Enable contact or application submission for interested adopters. * Integrate user authentication (if applicable) for profile management and saved favorites. * Ensure the design is mobile-friendly and optimized for different screen sizes. | | |
| Scope |  Development of a fully functional frontend in **React.js**.   UI/UX design for an intuitive pet adoption experience.   Implementation of filtering and search features.   Display of pet details with images and relevant information.   Responsive design for various devices | | |
| Deliverables | * Wireframes and UI mockups * Responsive React.js web application * Search and filter modules * Pet profile components * Adoption inquiry form * Documentation (user guide + developer guide) * Presentation and demo files | | |
| Schedule | Start Date | February 24, 2025 | |
| End Date | May 24, 2025 | |
| Time Reporting |  Weekly time logs maintained by team members   Progress tracked using JIRA/Trello   Weekly check-ins with TA and instructor   Hours spent documented per task | | |
| **Cost Estimate** | | | |
| Costing |  **Deployment Cost**: Estimated at **$10–$15 USD/month** if using paid hosting (e.g., custom domain, premium Vercel/Netlify plan) | | |
| **Milestones** | | | |
| Project Milestones |  | | |
| * Feb 24, 2025 * Mar 3, 2025 * Mar 10, 2025 * Mar 20, 2025 * Mar 31, 2025 * Apr 10, 2025 * Apr 10, 2025 * Apr 10, 2025 * Apr 12, 2025 * Apr 24, 2025 * May 1, 2025 * May 1, 2025 * May 10, 2025 * May 18, 2025 * May 24, 2025 | * Project Kickoff / Charter Submission * Requirements Finalization * UI Wireframes and Mockups Completed * Basic React Project Setup * Pet Listing and Filtering Module * Pet Detail Page Completed * Inquiry Form Implementation * Mobile Responsiveness Implementation * Midterm Demo * Final Feature Integration and Testing * Bug Fixing and UI Polish * User Feedback Review * Final Demo Preparation * Documentation Finalized * Final Submission & Presentation | | |
| **Assumptions, Constraints, Dependencies, Impacts, and Risks** | | | |
| Assumptions | * The **React.js** frontend will be **integrated with an existing or future backend** for data storage and processing. * Users will have **basic internet access** and will use **modern browsers** for the platform. * The platform will initially **target web users only**, with mobile responsiveness as a priority. * Adoption inquiries will be **handled manually** via a form submission. | | |
| Constraints |  **Time constraints**—the project must be completed within a specific timeframe. | | |
| Risks |  **Limited functionality** – Without backend support, user authentication and dynamic pet listing updates will be restricted.   **Performance challenges** – Ensuring smooth performance with React, especially when displaying large pet datasets.   **Adoption agency cooperation** – If real-world adoption agencies don’t provide pet data, the project may rely on limited or outdated mock data. | | |
| **Name/Signatures** | | **Roles and Responsibility** | |
| **Mariam Mostafa** | | **Member** | |
| **Marina Rizkallah** | | **Member** | |
| **Salma Sherif** | | **Leader** | |
|  | |  | |
| **We agree that this is a viable project. We authorize the beginning of the project planning stage.** | | | |
| Signature |  | Signature |  |
| Date |  | Date |  |
| Project Sponsor |  | Senior Manager |  |