

Adoptr

1. Introduction

1.1 Purpose

The purpose of this document is to thoroughly present a detailed description of the mobile application, Adoptr. The use of this application is for people that would like to adopt an animal from an animal shelter to be able to do so from the comfort of their phone. The goal of this application is to have a stress-free and enjoyable adoption process in the modern age where everything is easily viewable from a cellular device. This application will also deal as a medium of communication between adoption shelters and users that would like to inquire about available pets at said adoption shelters.

1.2 Scope

The project is aimed for following the guidelines of COVID 19 as we have to keep distance to not further spread of the virus. This mobile application is a medium for users to be able to view potential pets from a safe distance. This also creates more traffic for adaptation centers giving more awareness to pets to have a chance while also being informative to any new or vertrean pet owner. Users will be able to create an account to then be in contact with adoption centers and adoption centers can also create an account through the mobile application to put up potential adoptee pets, put their business information, and also be in contact with adopters.

1.3 Definitions

User -- Person that can view Adoption Shelter's listings and contact Shelter's based on their listings

Adoption Shelter -- An organization that has the ability to create listings based on animals they currently have available

Admin -- Person who has the ability to moderate listings and messages by removing listings and users through bans.

Ticket Support System -- A system that allows users to submit forms which contain information about the type, purpose, or scope of an issue/bug that occurred within the application.

1.4 Overview

This wiki will encompass a detailed description of every component and functionality required of the Adoptr Mobile Application. This wiki will also explain the Mobile Application's needs of the users, assumptions for the application's functionality, and needed dependencies needed for each requirement.

2. Description

2.1 Product Perspective

This product will be centered on an android based application. The app will allow users to view adoption listings created by animal shelters. These listings will be stored in the database and will be sent to the user when requested. The route of communication for this interaction will be through the internet.

2.2 Functionality

The user will be able to view listings created by animal shelters through the application. Users will be able to access these listings to view a more detailed version and save them for later. The listings will also be able to be filtered by the user by categories offered. The user will also be able to report an issue with either the application, the shelters or from other users through a ticket support system. This ticket support system will give weights to these tickets based on the options selected by the user when creating the ticket.

2.3 Needs

2.3.1 User Needs

- Users can view animals available on the mobile application
- Users can filter animals based on available category of pets
- Users can click on an Adoption Shelter's listing
- Users can message an Adoption Shelter based on their listing
- Users can go to their profile page and edit their profile
- Users can view an Adoption Shelter's contact information
- Users can add a listing to their "petmarks"

2.3.2 Adoption Shelter Needs

- Adoption Shelters can create a listing based on an animal available at their shelter
- Adoption Shelters can message Users
- Adoption Shelters can go to their profile page and edit their profile
- Adoption Shelters can report Users

2.3.3 Admin Needs

Admins can view and delete Adoption Shelter listings

Admins can view and manage Users

Admins can view and verify Adoption Shelters

2.4 Assumptions and Dependencies

The mobile application, Adoptr, assumes the following:

- A user's device has internet access capabilities
- A user has access to a device capable of running the Android operating system to access the application
- A user has their selected phone carrier to call to adoption centers.

3. Requirements

3.1 Functional Requirements

ID: FR1 - Landing Page

Description: The first page user sees after opening the mobile application.

Rational: The user needs to have a page where he can maneuver to all aspects of the application.

Dependency: None

ID: FR2 - Registration Page

Description: The page the user registers an account for the application.

Rational: The user needs to be able to create an account through the application.

Dependency: None

ID: FR3 - Login Page

Description: The page the user logs into their account on.

Rational: The user needs to be able to log into the application with an account.

Dependency: None

ID: FR4 - Hamburger Sidebar

Description: A sidebar that allows the user to navigate to different pages at any point.

Rational: Allow the user to navigate to important pages that may not fit elsewhere.

Dependency: FR1

ID: FR5 - Navigation Bar

Description: A bottom bar that allows the user to navigate to four pages within the applications.

Rational: Allow quick access to frequently used pages.

Dependency: FR1

ID: FR6 - Create Listing Page

Description: Adoption Shelters will be able to create a listing for users to view through the app. This listing will have one or more images, a description, and possible more information about the animal.

Rational: Adoption Shelters should be able to create listings for animals on the app.

Dependency: FR4

ID: FR7 - Adoption Listing Page

Description: Show a description and images of the pet the listing is for.

Rational: To inform the user about the animal available for adoption.

Dependency: FR1

ID: FR8 - Edit Adoption Listing

Description: Adoption shelters can edit images, tags, and text description on existing listings.

Rational: Allow the Adoption shelters to update and maintain the existing listings.

Dependency: FR7

ID: FR9 - Delete Adoption Listing

Description: Adoption shelters can delete a listing when it is no longer needed.

Rational: To allow adoption shelters to remove unnecessary listings.

Dependency: FR7

ID: FR10 - Filter Page

Description: Apply filters to filter out unwanted listings.

Rational: Users should be able to filter out unwanted results

Dependency: FR4

ID: FR11 - Profile Page

Description: Users and Adoption Shelters can access their profile from the navigation bar, this will contain information they input into the application.

Rational: Users and Adoption Shelters need to be able to view the information they have entered into the application.

Dependency: F5

ID: FR12 - Edit Profile

Description: Users and Adoption Shelters will be able to change the information on their profile page.

Rational: Users and Adoption Shelters need to be able update their profile information accordingly.

Dependency: FR11

ID: FR13 - Send Messages

Description: Users and Adoption Shelters will be able to send messages to one another based on an Adoption Shelter's Listings.

Rational: Both Users and Adoption Shelters need to be able to communicate.

Dependency: FR7

ID: FR14 - View Messages

Description: Users and Adoption Shelters will be able to view messages that were sent to them or by them.

Rational: Both Users and Adoption Shelters must be able to access their messaging activity.

Dependency: FR5

ID: FR15 - Article Feed

Description: Allow users to view the list of published articles.

Rational: To give users the ability to read on how to take care of their pets.

Dependency: FR5

ID: FR16 - Create Article

Description: Adoption shelters will be able to create articles related to pet care.

Rational: To allow adoption shelters to inform people interested in adopting about how to take care of the pets they might adopt.

Dependency: FR15

ID: FR17 - Article Page

Description: A page showing the article which can vary in types of information for pet care.

Rational: To display information for the user to get more information about topics that they may have questions about.

Dependency: FR15

ID: FR18 - Add to Petmarks

Description: A User will be able to add Adoption Shelter listings to a bookmarking system.

Rational: Users need to be able to easily add listings they are interested in.

Dependency: FR7

ID: FR19 - View Petmarks

Description: A User will be able to Adoption Shelter listings in their bookmarking system.

Rational: Users need to be able to easily access listings they are interested in.

Dependency: FR7

ID: FR20 - Ticket Support System

Description: A User will be able to create and submit a ticket on an issue encountered during their use of the app.

Rational: To get feedback from the users about their experience with the app and be notified of by users of any bugs they have encountered.

Dependency: FR4

ID: FR21 - Report System

Description: An adoption shelter will be able report malicious user messages.

Rational: To allow adoption shelters the ability to notify admins of inappropriate user behavior.

Dependency: FR4

ID: FR22 - Admin Support Panel

Description: An admin will be able to view any submitted tickets and and user reports that have been submitted.

Rational: To allow admins in have an in app view of support related submissions by users.

Dependency: FR4

3.2 Non-Functional Requirements

ID: FR1 - Device Requirements

Description: A device capable of accessing the internet and running an Android operating system at a consistent and stable performance level otherwise the application may not function properly.

ID: FR2 - Internet

Description: An internet connection is required to access the mobile application.

ID: FR3 - Password Encryption

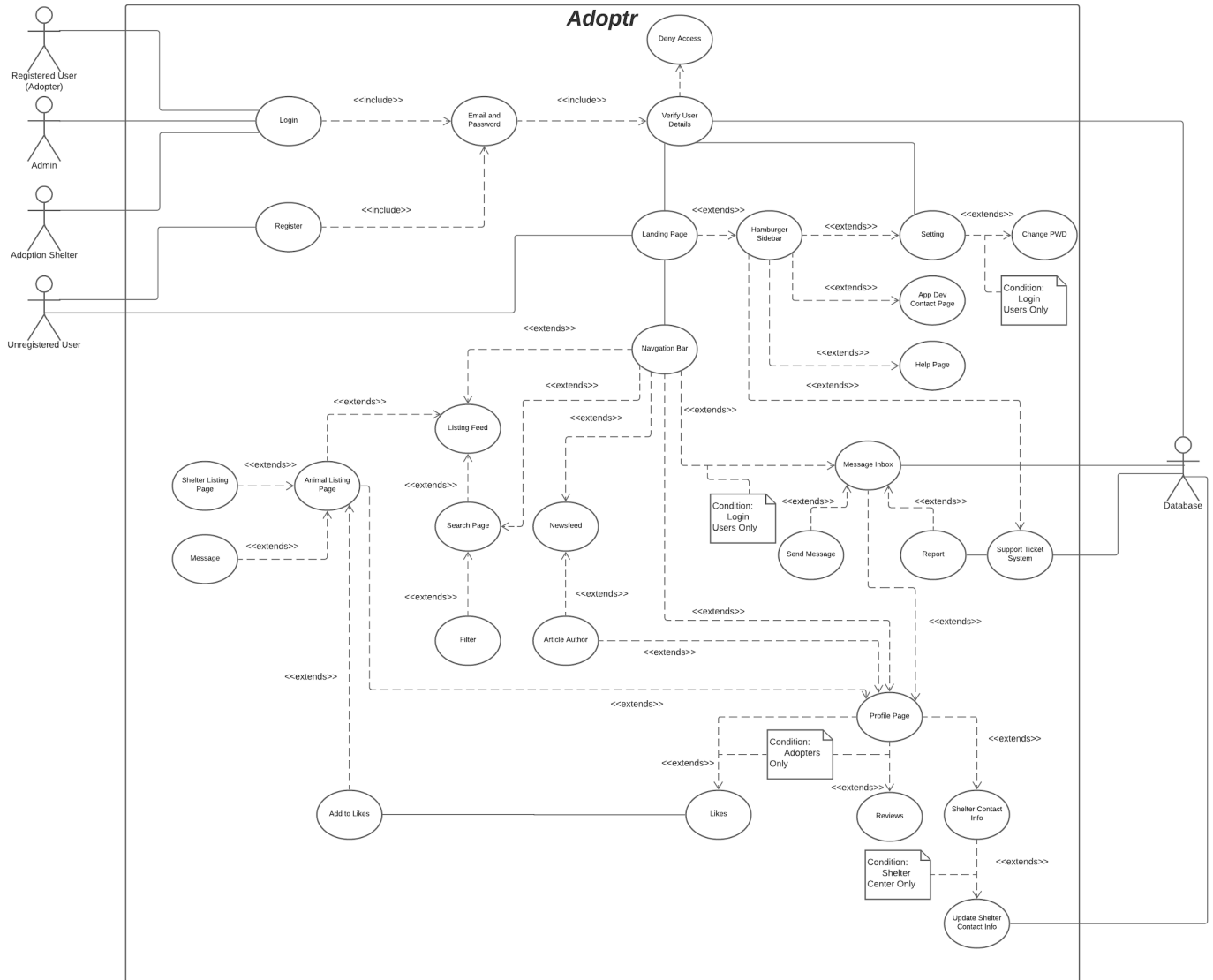
Description: User created passwords is hashed then sent to the database.

ID: FR4 - Email

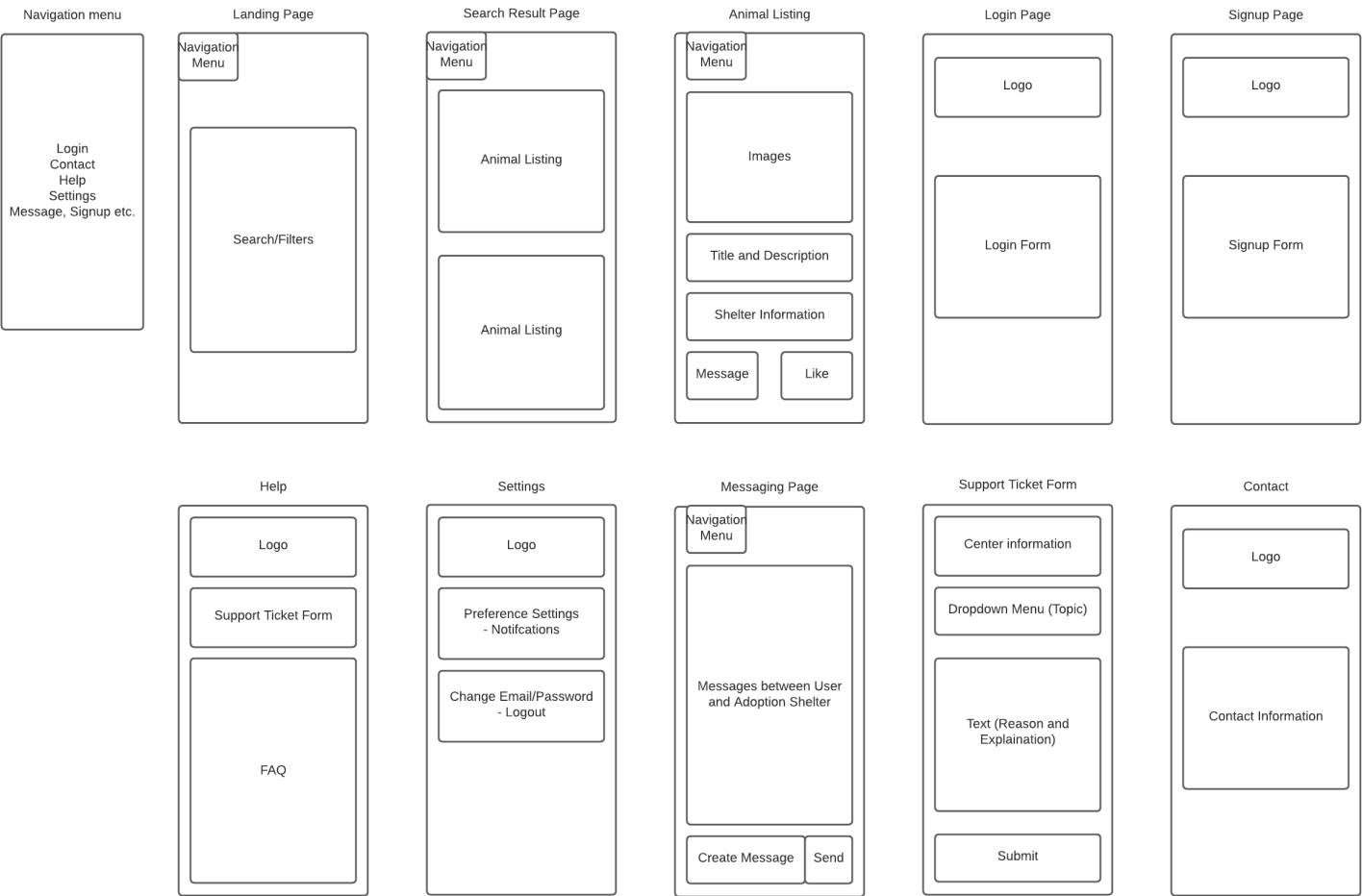
Description: A valid email is required to sign up to the mobile application in order to operate all functionalities of the application.

4. Diagrams

4.1 Use Case Diagram



4.2 Wireframe Diagram



4.3 Architectural Diagram

