Affordable Housing Search Application

Technical Design Document

Group 1

Project Managers:

Joanna Smith

Gary Johnston

Natalie Amaya

Devante McFarlane

Octavian Carteleanu

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Document Changes

|  |  |  |  |
| --- | --- | --- | --- |
| Revision # | Date | Author | Comments |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  |

Abstract

## Objective

Requirements

## Legend

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Actor | Defines who the requirement pertains to |
| User | Client-side actor that will access the web application |
| Dev | Server-side actor that develops the web application |
| U#.# | Requirement ID pertaining to Actors of type “User” |
| D#.# | Requirement ID pertaining to Actors of type “Dev” |

## Product Requirements

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Requirement** | **Actor** |
| U1.0 | Affordable Housing Search landing page | User |
| U1.1 |  |  |
| U1.2 |  |  |
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| --- | --- | --- |
| **Requirement ID** | **Requirement** | **Actor** |
| U2.0 | Housing Filters | User |
| U2.1 |  |  |
| U2.2 |  |  |
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| --- | --- | --- |
| **Requirement ID** | **Requirement** | **Actor** |
| U3.0 | Housing Details | User |
| U3.1 |  |  |
| U3.2 |  |  |
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| --- | --- | --- |
| **Requirement ID** | **Requirement** | **Actor** |
| U4.0 | Google Maps | User |
| U4.1 |  |  |
| U4.2 |  |  |
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# 

# Technical Requirements

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Requirement** | **Actor** |
| D1.0 | Affordable Housing Search landing page | Dev |
| D1.1 |  |  |
| D1.2 |  |  |
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|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Requirement** | **Actor** |
| D2.0 | Housing Filters | Dev |
| D2.1 |  |  |
| D2.2 |  |  |
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| --- | --- | --- |
| **Requirement ID** | **Requirement** | **Actor** |
| D3.0 | Housing Details | Dev |
| D3.1 |  |  |
| D3.2 |  |  |
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| --- | --- | --- |
| **Requirement ID** | **Requirement** | **Actor** |
| D4.0 | Google Maps | Dev |
| D4.1 |  |  |
| D4.2 |  |  |
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# Technical Design

## Implementation

## Testing

Communications Plan

|  |  |
| --- | --- |
| Communications Plan | |
| **Project:** Energy Efficient Apartment Search | Start Date: 5/9/2022 |
| **Project Managers:**  Joanna Smith  Gary Johnston  Natalie Ayala  Octavian Carteleanu  Devante McFarlane | Estimated Completion Date: |
| **Methods of Communications:** | Valencia email, Discord for chat discussions, ClickUp for Project Management, Zoom |
| Objectives | |
| Establish report with team members |  |
| Meet with professor for project requirements |  |
| Develop Technical Requirements Document |  |
| Develop database |  |
| Design web application |  |
| Develop web application |  |
| Test web application |  |
| Revise web application |  |
| Deploy web application |  |
|  |  |
|  |  |

# Expected Outcomes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type | Date | Assignees | Method | Time | Purpose |
| Project Requirements Meeting | 5/18/2022 | Project Team  Project Stakeholders | Zoom | 1 hour | To discuss with the stakeholders what the requirements of the project are. |
| Scrum Meeting | Weekly on  Mondays at 7:00 pm | Project Team | Discord or Zoom | 30 min | Discuss progress, establish and assign tasks during next sprint. |
| Informal Progress Updates | Asynchronous | Project Team | Discord | N/A | Discuss and development milestones, issues, complications, etc. |
| Planning Documentation Submission | 5/23/2022 | Joanna Smith | Canvas Submission |  | Establish project tasks, set deadlines and assign team members |
| Prototype Submission | 6/5/2022 |  | Canvas Submission |  |  |
| Test Plan Submission | 6/12/2022 |  | Canvas Submission |  |  |
| Technical Documentation Submission | 6/5/2022 |  | Canvas Submission |  |  |
| Beta Version Submission | 6/26/2022 |  |  |  |  |
| Beta Test and Revision Report Submission | 7/4/2022 |  | Canvas Submission |  |  |
| User Documentation |  |  | Canvas Submission |  |  |
| Developer Documentation | 7/17/2022 |  |  |  |  |
|  |  |  |  |  |  |

Project Plan

Graphical user interface

Description automatically generated

Graphical user interface, application

Description automatically generated