**SW Engineering CSc 648-848 Section 02 FA 17**

**Real Estate Website**

**Group 7**

**Team Members**

Dillan Brosnan(Lead)

Roy Anguiano

Indra D Gairhe

Vikram Grewal

Anirudh Mohan

Darryl Raveche

**Milestone 1**

**September 26, 2017**

|  |  |
| --- | --- |
| **Revision** | **Changes** |
| 01 | Initial start of the Milestone 1 documentation |

1. **Executive Summary**
2. **Use Cases**
3. **Data Definition**
4. **Initial list of functional Requirements**
5. **List of non-functional Requirements**

*TODO: Add any extra non-functional requirements that may be needed.*

1. Application shall be developed and deployed using class provided deployment stack.
2. Application shall be developed using pre-approved set of SW development and collaborative tools provided in the class. Any other tools or frameworks must be explicitly approved by Anthony Souza on a case by case basis.
3. Application shall be hosted and deployed on Amazon Web Services as specified in the class.
4. Application shall be optimized for standard desktop/laptop browsers e.g. must render correctly on the two latest versions of all major browsers: Mozilla, Safari, Chrome.
5. Application shall have responsive UI code so it can be adequately rendered on mobile devices but no mobile native app is to be developed.
6. Data shall be stored in the MySQL database on the class server in the team's account.
7. Application shall provide real-estate images and optionally video.
8. Maps showing real-estate location shall be required.
9. Application shall be deployed from the team's account on AWS.
10. No more than 50 concurrent users shall be accessing the application at any time
11. Privacy of users shall be protected and all privacy policies will be appropriately communicated to the users.
12. The language used shall be English.
13. Application shall be very easy to use and intuitive. No prior training shall be required to use the website.
14. Google analytics shall be added.
15. Messaging between users shall be done only by class approved methods and not via e-mail clients in order to avoid issues of security with e-mail services.
16. Pay functionality (how to pay for goods and services) shall not be implemented.
17. Site security: basic best practices shall be applied (as covered in the class).
18. Modern SE processes and practices shall be used as specified in the class, including collaborative and continuous SW development.
19. The website shall prominently display the following text on all pages *"SFSU Software Engineering Project, Fall 2017. For Demonstration Only”*. (Important so as to not confuse this with a real application).
20. **Competitive Analysis**
21. **High-level System Architecture**
    1. **Front End Framework**
       1. Bootstrap (ver:??)
    2. **Back End Framework**
       1. Express
22. **Team**

* Dillan Brosnan: Team Lead
* Roy Anguiano: Frontend Team Lead
* Indra D Gairhe: General Team Member
* Vikram Grewal: Backend Team Lead
* Anirudh Mohan: General Team Member
* Darryl Raveche: Frontend Team Member

1. **Checklist**

|  |  |  |
| --- | --- | --- |
| Checklist Item | Has the item been accomplished? | If no, explain below |
| Team decided on basic means of communications | DONE |  |
| Team found a time slot to meet outside of class | DONE |  |
| Front and back end team leads chosen | DONE |  |
| Github master chosen | ON TRACK(?) |  |
| Team ready and able to use the chosen back and front end frameworks | ON TRACK |  |
| Skill of each team member defined and known to all | DONE |  |
| Team lead ensured that all team members read the final M1 and agree/understand it before submission | ON TRACK |  |