<Volunteer Solution>
Iteration Plan

Version <2.0>

Revision History

Date	Version	Description	Author
11/5/19	1.0	Introduction-1.1 to 1.4 Use Cases Evaluation Criteria Outlining rest of document	Kenzie Clarke
11/5/19	1.1	Section 2.1	Warren Riley
11/5/19	1.2	Section 2.2	Cole Weber
11/5/19	1.3	Section 3.1 Section 3.2	Nestor Guerrero
11/6/19	1.4	New evaluation criteria added	Minh Nguyen
11/6/19	1.5	Section 1.5 Tabling 2.1 Reviewing document	Wynn Pho
4/2/20	1.6	Small Updates	Cole Weber
4/21/20	2.0	Updated to reflect all iterations	Cole Weber

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Iteration Plan

1.   Introduction

1.1   Purpose

This Iteration Plan describes the detailed plans for the first, second, and third iterations of the Mercy Clinic Volunteer Solution Project. During the first iteration, the design of the system will be defined and low fidelity front end webpage will be developed that connects to a minimal back end database. During the second iteration, the low fildelity initial system will be developed to high fidelity in preparation for deployment and testing. During the third iteration the system will be deployed, tested, and handed over to the clinic.

1.2   Scope

The iteration plans contained in this document apply to the Mercy Clinic Volunteer Solution Project being developed by the TCU developer team of 2019-2020. This document will be used by the Project Manager, the project team, and the Professor (Dr. Bingyang Wei) overseeing development.

1.3   Definitions, Acronyms, and Abbreviations

Please see this project's Glossary document.

1.4   References

MCVS Iteration Plan 1.0   11/05/19
MCVS Glossary doc   1.3   11/05/19
MCVS Vision doc   1.5   11/05/19

1.5   Overview

Please see Table of Contents on page 3.

2.   Plan

2.1   Iteration Tasks

Task	Start	End
First Iteration	Mon 11/4/19	Mon 12/04/19
First Sprint	Mon 11/4/19	Mon 11/18/19
Iteration Planning	Thu 11/7/19	Thu 11/7/19
Create test environment/GitHub branches	Thu 11/7/19	Thu 11/7/19
Initial Web Interface Prototype using Axure	Thu 10/31/19	Mon 11/4/19
Front End HTML	Mon 11/4/19	Thu 11/14/19
Database Implementation	Mon 11/4/19	Thu 11/14/19
API calls	Thu 11/14/19	Thu 11/21/19
Unit Testing	Thu 11/7/19	Mon 11/18/19

Review Peer's Code	Mon 11/18/19	Mon 11/18/19
Make Pull Request to Master	Mon 11/18/19	Mon 11/18/19
Sprint Retrospective	Mon 11/18/19	Mon 11/18/19
Second Sprint	Mon 11/18/19	Wed 12/04/19
Iteration Planning	Mon 11/18/19	Mon 11/18/19
Create test environment/GitHub branches	Mon 11/18/19	Mon 11/18/19
CSS Code for Front End	Mon 11/18/19	Wed 12/04/19
Unit Testing	Mon 11/18/19	Wed 12/04/19
Consult with Client on Product	Thu 11/28/19	Thu 11/28/19
Review Peer's Code	Mon 12/02/19	Mon 12/02/19
Make Pull Request to Master	Mon 12/02/19	Mon 12/02/19
Second Iteration	Mon 12/2/19	Mon 2/17/20
Review winter break pull requests	Wed 1/15/20	Mon 1/20/20
SDS Documentation	Fri 1/17/20	Fri 1/17/20
Code Commentation	Mon 1/27/20	Fri 1/31/20
Client Meeting	Mon 1/27/20	Mon 1/27/20
Merge outstanding code with master	Wed 1/29/20	Wed 1/29/20
Client meeting and feature demo	Mon 2/10/20	Mon 2/10/20
Push changes to system as requested by client	Mon 2/10/20	Fri 2/15/20
SRS Documentation	Wed 2/12/20	Wed 2/12/20

Wrap up features and begin testing	Mon 2/17/20	Mon 2/24/20
Third Iteration	Mon 2/17/20	4/29/20
Deploy system to Heroku	Mon 2/24/20	Mon 3/2/20
Test system for bugs	Mon 2/24/20	Mon 3/16/20
Link ClearDB to Heroku site	Wed 3/4/20	Fri 3/6/20
Client presentation and full system walkthrough at clinic	Thurs 2/27/20	Thurs 2/27/20
Update system based on client feedback	Fri 3/6/20	Mon 3/23/20
Update documentation	Mon 3/23/20	Mon 3/30/20
Create user manual and development manual	Mon 3/30/20	Mon 4/6/20
Prepare system for handoff and final bug fixes	Mon 4/6/20	Mon 4/20/20
Create poster and final presentation to faculty	Mon 4/20/20	Wed 4/29/20
Handoff final product to client	Wed 4/29/20	Wed 4/29/20

2.2   Artifacts

Artifact Set	Deliverable	Responsible Owner
Product Management	Iteration Plan Software Development Plan (update)	Wynn Pho Cole Weber
Requirements	Vision Document (update) Glossary (expand & update) Use Case Specifications (update) Prototype Specification	Kenzie Clarke Nestor Guerrero Mihn Nguyen Wynn Pho & Kenzie Clarke
Testing	Test Cases	Warren Riley (as lead) Entire Team (contributing)

Deployment	Software Requirements Specification User Manual Development Manual	Nestor Guerrero Entire Team (contributing) Entire Team (contributing)

3. Resources

3.1 Staffing

Team Leader/Project manager - Kenzie Clarke

Product Manager - Wynn Pho

Web Developer - Cole Weber

Database Architect – Minh Nguyen

Database Administrator – Nestor Guerrero

Web Developer/Quality Assurance – Warren Riley

Testing - All members of the development team in addition to primary tasks

3.2 Financial Resources

Heroku Hobby Dyno- $7.00 monthly

ClearDB Ignite Plan - $0.00 monthly

4. Use Cases

- UC16 - Admin Logs out
- UC15 - Admin Creates an Admin Account
- UC12 - Admin Logs in
- UC14 - Admin Forgets Password
- UC13 - Admin Creates Schedule
- UC10 - Admin Records Shift Sessions
- UC11 - Admin Updates Shift Sessions
- UC8 - Admin Generates Hours Report of All Volunteers
- UC7 - Admin Generates Hours Report of One Volunteer
- UC9 - User Selects Appointment
- UC3 - Admin Schedules an Appointment for a Volunteer
- UC1 - Volunteer schedules appointment
- UC2 - Volunteer cancels appointment
- UC4 - Admin cancel appointment
- UC5 - Volunteer checks in
- UC6 - Volunteer checks out
- UC9 - User selects appointment

5.   **Evaluation Criteria**

The primary goal of these iterations is to develop a high fidelity solution that includes the administrator and volunteer functionalities as defined in the use cases above and further specified by the clients. A minimal front end and bare necessities database will be fully implemented.

Risk associated with the client's hosting platform and the solution performance will be analyzed by the end of the second iteration. Each deliverable developed during the iteration will be peer reviewed and subject to approval through git by the development team.

The ease of use will be evaluated by comparing the fidelity of the solution with the use case. The solution should be able to perform all of the use cases mentioned above. The admin should be able to perform administrator functionalities that specified in the admin use cases without any guidance from any third party. The volunteer should be able to perform their functionalities as defined in the above use cases.

The solution must be responsive to any user inputs. It should process the inputs quickly and provides an output or solution that is a suitable response for the inputs.

The Professor overviewing the project and the administrator client Lorena will be reviewing the Initial Prototype and the solution deliverable at the end of all iterations for further feedback.