Patient Information Management System
PIMS

Team 6

Software Development Plan

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Ina Carter
Brandon Kibler
Jennifer Paulsen
Max Twente

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1.0 Project Overview

1.1 Purpose of Project

Hospitals must maintain current information on all patients in the hospital as well as those recently released. This information has to be readily available to a number of hospital personal such as doctors, nurses, office staff, and volunteers. The Patient Information Management System (PIMS) shall have a Graphical User Interface (GUI) that the users interact with, a database holding patient information, and a server allowing access across multiple machines.

1.2 Objective of Project

The objective of this project is to develop a system, PIMS, which will maintain detailed information on all patients in the hospital and those who were in the hospital but have now been released. Records must be maintained for a five year period. To protect the privacy of patients users of the system will have access to information only on a "need to know" basis.

2.0 Project Schedule

Sprint 1 (Jan 13 to Feb 1):

Discuss which technologies to use for program.

Decide which member focuses on which parts of project.

Discuss initial requirements for program.

Initial GUI concept design

Initial Database design

Milestones: Deliver Software Development Plan (Jan 27)

Oral presentation of Software Development Plan (Jan 27 or Feb 1)

Sprint 2 (Feb 3 to Feb 17)

Milestones: Deliver first revision of project backlog (Feb 15)

Oral presentation of project backlog (Feb 15 or Feb 17)

Sprint 3 (Feb 22 to Mar 7):

Milestones: Deliver Architectural Design (Mar 2)

Deliver second revision of project backlog (Mar 2)

Oral presentation of Architectural Design (Mar 2 or Mar 7)

Sprint 4: (Mar 9 to Mar 30)

Milestones: Oral Presentation of Preliminary GUI Design (Mar 28 or Mar 30)

Sprint 5 (Apr 4 to Apr 20):

Milestones: Delivery of Final Program (Apr 18)

3.0 List of Deliverables

Item	Delivery Date
Team Meeting Report	1/18/16
Team Meeting Report	1/25/16
Software Development Plan	1/27/16
Presentation (including PowerPoint)	1/27/16
Sprint 1 Report	2/1/16
Team Meeting Report	2/1/16
Team Meeting Report	2/18/16
Project Backlog, First Revision	2/15/16
Presentation of Backlog	2/15/16
Team Meeting Report	2/15/16
Sprint 2 Report	2/17/16
Team Meeting Report	2/22/16
Team Meeting Report	2/29/16
Architectural Design	3/2/16
Project Backlog, Second Revision	3/2/16
Presentation on Architectural Design	3/2/16
Sprint 3 Report	3/7/16
Team Meeting Report	3/7/16
Team Meeting Report	3/14/16
Team Meeting Report	3/21/16
GUI Presentation	3/28/16
Team Meeting Report	3/28/16
Sprint 4 Report	3/30/16
Team Meeting Report	4/4/16
Team Meeting Report	4/11/16
Team Meeting Report	4/18/16
Presentation of Program	4/18/16

PIMS Program(all source files and executable)	4/18/16
Sprint 5 Report	4/20/16

4.0 Personnel

Because we are a small team, we will all be involved in all parts of the project. But because our backgrounds and coursework is slightly different, we will each be taking charge of different aspects of the project development.

Max Twente will be leading GUI design and programming.
Ina Carter will be serving as our database designer and programmer.
Jennifer Paulsen will be our Software lead and requirements analyst.
Brandon Kibler will be customer liaison and testing lead.

5.0 Risk Management Plan

Identified Risks:

1. Losing a team member: This is the largest risk in term of potential consequences but is not hard to mitigate through proper planning. By properly splitting work and documenting our processes, another team member should be able to step in to complete the tasks of the lost member with minimal disruption. Potential consequences of losing a member should be considered moderate, losing a second member and the consequences are more severe but the likelihood is extremely small.

2. Missed Requirements: It is possible that we might miss a requirement in the initial planning phases. This will be mitigated by writing the Requirements Specification Document as a group to have multiple points of view present. Likely consequences in case of an occurrence should be minor.

3. Illnesses: It is possible since this year they had a late flu season the team may get sick and it may push us behind schedule, but it should not be too hard to recover from the set back. This can be mitigated by trying to get most of the work done early before flu season hits in so that we are ahead of schedule.

4. Snowdays: Since it is the winter season it is possible that there are winter storms rolling in which may make create dangerous driving conditions disabling us from group meetings. To mitigate this we have a repository enabling us to easily work from home.

5. Electrical blackouts: It is possible Huntsville, Alabama experiences an electrical blackout for an extended period of time, but this is a very rare occurence. To try to mitigate this we will try to stay ahead of schedule with our alotted tasks.

6. Github site goes down: Should we be unable to use the github repository we will have a backup of our project and all the necessary files on our computers as well.

Likelihood	Consequences				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain		4			
Likely		3			
Possible		2			
Unlikely	6		1		
Rare			5		