Software Project Management Plan

Videogram

1.0.0

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Computer Science Department, Biola University

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| --- | --- | --- | --- |
| Version | Primary Author(s) | Desc. Of Version | Date Completed |
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Cover Page

Revisions Page

Table of Contents

**1 INTRODUCTION**

1.1 Project Overview

1.2 Project Deliverables

**2 PROJECT ORGANIZATION**

2.1 Software Process Model

2.2 Roles and Responsibilities

2.3 Tools and Techniques

**3 PROJECT MANAGEMENT PLAN**

3.1 Tasks

3.2 Assignments

3.3 Timetable

**4 ADDITIONAL MATERIAL**

1. **INTRODUCTION**

1.1 Project Overview

The purpose of this project is to develop a photo and video sharing application that allows users to store and share their favorite photos and videos.

* 1. Project Deliverables

|  |
| --- |
| Software Project Management Plan |
| Software Requirements Specification |
| Software Design Description |
| Scrum Prioritized Product Backlog |
| Sprint Artifacts#1 |
| Sprint Artifacts#2 |
| Sprint Artifacts#3 |
| Software Test Documentation |
| Project PPT |

1. **PROJECT ORGANIZATION**

2.1 Software Process Model

The software process model that will be followed is the Water-Scrum-Fall model, which is a combination of the waterfall and agile (scrum) model.

|  |  |
| --- | --- |
| *Waterfall Model* | *Agile (Scrum) Model* |
| 1. Requirements | 1. Define Sprint Scope/New Features |
| 1. Design | 1. Sprint Iteration (Sprint Development) |
| 1. Implementation | 1. Repeat Step 1 – 2 till all sprints complete |
| 1. Verification | 1. Software Release |
| 1. Maintenance |  |

The Water-Scrum-Fall model follows the Waterfall model with ONLY step 3, the Implementation phase taking on the Agile (scrum) model to utilize sprint iterations. The end result process model that shall be followed will be:

|  |
| --- |
| *Water-Scrum-Fall Model (Waterfall Components / Scrum Components)* |
| 1. Requirements |
| 1. Design |
| 1. Implementation |
| * 1. Sprint #1 |
| * 1. Sprint #2 |
| * 1. Sprint #3 |
| 1. Verification |
| 1. Maintenance |

* 1. Roles and Responsibilities

|  |  |  |  |
| --- | --- | --- | --- |
|  | Jerry | Matt | Derek |
| Scrum Product Owner | R |  |  |
| Scrum Master/Project Manager |  |  | R |
| Configuration Manager | Q | R | A |
| Lead Designer | R | A | Q |
| System Architect | R | A | Q |
| Designer and Developer - Database |  |  | R |
| Designer and Developer - Application | R |  |  |
| Designer and Developer - UI |  | R |  |
| Testers | R | R | R |

R – Responsible, A – Accountable, Q – Quality Reviewer

* 1. Tools and Techniques

Tools used shall include:

1. Github
2. Adobe Dreamweaver
3. MySQL
4. Amazon Web Service?
5. **PROJECT MANAGEMENT PLAN**

3.1 Tasks

|  |  |
| --- | --- |
|  | *Description* |
| Requirement Phase | All requirements written. |
| Design Phase | Design documents written and systems architecture defined. |
| Development Phase | All software development completed. |
| Sprint #1 | Sprint #1 Deliverable |
| Initial Database Creation | Database system created and setup to requirement and design specifications. |
| Initial Application Creation | Back end application created and setup to requirement and design specifications. |
| Initial UI Creation | User interface created and setup to requirement and design specifications. |
| Sprint #2 | Sprint #2 Deliverable |
| All Main Database Features Added | All main database functionality/features implemented. |
| All Main Application Features Added | All main database functionality/features implemented. |
| All Main UI Features Added | All main user interface functionality/features implemented. |
| Sprint #3 | Sprint #3 Deliverable |
| Final Touches Database Features | Final touches to   * any extra database functionality/features * database to back end application interface implementation |
| Final Touches Application Features | Final touches to   * any extra back end application functionality/features * back end application to database interface implementation * back end application to UI interface implementation |
| Final Touches UI Features | Final touches to   * any extra UI functionality/features * UI to back end application interface implementation |
| Testing Phase | All test cases executed, documented, and verified. |
| Launch | Final Project Deliverable. |

* 1. Assignments

|  |  |
| --- | --- |
|  | *Assignment* |
| Requirement Phase | Jerry/Matt/Derek |
| Design Phase | Jerry/Matt/Derek |
| Development Phase | Jerry/Matt/Derek |
| Sprint #1 | Jerry/Matt/Derek |
| Initial Database Creation | Derek |
| Initial Application Creation | Jerry |
| Initial UI Creation | Matt |
| Sprint #2 | Jerry/Matt/Derek |
| All Main Database Features Added | Derek |
| All Main Application Features Added | Jerry |
| All Main UI Features Added | Matt |
| Sprint #3 | Jerry/Matt/Derek |
| Final Touches Database Features | Derek |
| Final Touches Application Features | Jerry |
| Final Touches UI Features | Matt |
| Testing Phase | Jerry/Matt/Derek |
| Launch | Jerry/Matt/Derek |

* 1. Timetable

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | *Duration* | *Start* | *Finish* | *Status* |
| Requirement Phase | **7 Days** | **Jan 24th** | **Jan 31st** | Not Started |
| Design Phase | **7 Days** | **Jan 31st** | **Feb 7th** | Not Started |
| Development Phase | **56 Days** | **Feb 7th** | **Apr 3rd** | Not Started |
| Sprint #1 | 21 Days | Feb 7th | Feb 28th | Not Started |
| Initial Database Creation | 21 Days | Feb 7th | Feb 28th | Not Started |
| Initial Application Creation | 21 Days | Feb 7th | Feb 28th | Not Started |
| Initial UI Creation | 21 Days | Feb 7th | Feb 28th | Not Started |
| Sprint #2 | 25 Days | Feb 28th | Mar 23rd | Not Started |
| All Main Database Features Added | 25 Days | Feb 28th | Mar 23rd | Not Started |
| All Main Application Features Added | 25 Days | Feb 28th | Mar 23rd | Not Started |
| All Main UI Features Added | 25 Days | Feb 28th | Mar 23rd | Not Started |
| Sprint #3 | 11 Days | Mar 23rd | Apr 3rd | Not Started |
| Final Touches Database Features | 11 Days | Mar 23rd | Apr 3rd | Not Started |
| Final Touches Application Features | 11 Days | Mar 23rd | Apr 3rd | Not Started |
| Final Touches UI Features | 11 Days | Mar 23rd | Apr 3rd | Not Started |
| Testing Phase | **14 Days** | **Apr 3rd** | **Apr 17th** | Not Started |
| Launch | **1 Day** | **Apr 27th** | **Apr 27th** | Not Started |

**4 ADDITIONAL MATERIAL**