

A Minor Project Final Report On

Project Document Management System

Submitted in Partial Fulfillment of the Requirements for
the Degree of **Bachelor of Engineering in Information Technology**
under Pokhara University

Submitted by:

Mr. Hari Bahadur Bhandari, 161417

Mr. Image Bhattarai, 161419

Mr. Rusan Vaidya, 161436

Under the supervision of:

Mr. Nipesh Shrestha

Date:

15 January 2020



Department of IT Engineering
**NEPAL COLLEGE OF
INFORMATION TECHNOLOGY**

Balkumari, Lalitpur, Nepal.

ACKNOWLEDGEMENT

We would like to express our special thanks of gratitude to our project teacher Mr. Roshan Chitrakar for giving us the golden opportunity to work on this project on the topic Project Document Management System. The research from this project has helped us learn a lot - from simple programming codes to complex PHP commands. The guidelines our project supervisor Mr. Nipesh Shrestha laid down helped make this project grander in quality.

In addition, we would also like to show our appreciation to our head of department Mr. Madan Kadariya and the college principle Mr. Niranjan Khakurel for giving us the chance to work on this minor project. We would also like to thank our college professors and friends for not only motivating but also correcting the minor mistakes we made along the way of visualizing this project.

The completion of this undertaking within the limited time frame, would not have been possible if not for the participation of these people. They are what kept us going and we thank them from the depth of our hearts.

ABSTRACT

Project Document Management System is an innovative idea that enables students to submit their proposals and projects on time, all with the click of a button. The main focus of this mission is to make the process of submitting projects easier and hassle-free. This web-based application's objective is to facilitate with systematic arrangement, the review of academic projects – from submission to completion. We aspire to build a bridge between the students and faculty members, by proposing an efficient system that is easy to use. Modern times require modern solutions. The traditional system of submitting projects is inconvenient and outdated. With this handy application, students can get information about the deadlines, and the process of project submission. Not only that, transparency about the student project report can be obtained as well. It provides a platform of interaction between students and the teachers. Students no longer need to go through the hectic process of manual project submission. They can just use our system to look up their deadlines and submit their projects accordingly. The project coordinator acts as admin, and they have authority over the deadlines and submission dates. We believe this is a major step in introducing smart learning in colleges and universities. This small approach contributes immensely, especially in the colleges inside the Kathmandu valley. The completed project delivers a system that permits students to submit their projects, and allows project supervisor to review those projects. This system will be designed using PHP, JavaScript, CSS, Bootstrap, and MYSQL as its database.

Keywords: Project, Management, Online, PHP, MYSQL, Bootstrap

Table of Contents

ACKNOWLEDGEMENT.....	i
ABSTRACT.....	ii
1. Introduction.....	1
2. Problem Statement.....	2
3. Project Objectives.....	3
4. Significance of the Study.....	4
5. Scope and Limitations.....	5
Project scope:.....	5
Limitations:.....	5
6. Literature Review.....	6
7. Use Case Diagram.....	7
FIGURE 1.....	7
8. Sequential Diagram.....	8
FIGURE 2.....	8
FIGURE 3:.....	9
FIGURE 4:.....	10
9. Gantt Chart.....	11
10. Proposed Methodology.....	12
FIGURE 5:.....	12
Analysis Phase:.....	13
Design Phase:.....	13
Coding Phase:.....	13
Testing Phase:.....	13
11. Deliverable Output.....	14
12. Project Task and Time Schedule.....	15
13. Conclusion.....	16
14. References.....	167

1. Introduction

The purpose of this paper is to gain an understanding of project document management and to give a brief overview of the methodology that underpins most formally run project documents. Many colleges and universities do not imply project document manager and it is common to pull together a project team to address a specific need. While most people are not formally skilled in project methodology, taking a role in a project team can be an excellent learning opportunity and can enhance a person's career profile.

Project document management is the discipline of managing all the different resources and aspects of the project document in such a way that it is easier to submit the project document within the defined time. These are agreed upon in the project initiation stage and by the time the project begins all faculty team members will have a clear understanding and acceptance of the process, methodology and expected outcomes.

2. Problem Statement

- Even with the immense improvement in the technological field, there hasn't been a well-organized scheme for project management systems in colleges and universities.
- Students do not have a proper system through which they can view the deadlines and interact with their supervisors regarding their project and proposal submission.
- With this system, multiple reviewers can observe and give feedback concerning the projects that students have undertaken.
- Students can initiate the projects and complete them in time by taking note of the deadline timer on the web application.

3. Project Objectives

- To provide a platform for interaction between the team over taking the project and the reviewer.
- To make it possible to upload the project documents by team over taking the project to be reviewed by the interested reviewers.
- To make it easier to review the project from anywhere in the globe.
- To conduct project defense reviews and feedback entirely in web.

4. Significance of the Study

This project by the name of 'Project Management System', is the visualization of a web-based tool that is expected to be extensively used in schools and colleges. The main objective of this project is to make the tiresome process of submitting projects easier and stress-free. By using this tool, students are creating a platform through which they can interact with their projects supervisors.

This research has been carried out to ensure that the process of submitting and reviewing projects becomes efficient, to not only the students, but the teachers as well. It has been designed in way, so as to display our technical knowledge and expertise in the field of IT. It is also one of the essential steps in introducing smart learning in colleges.

5. Scope and Limitations

Project scope:

With our system Students' Team over taking the project will be able to

1. Upload the proposal, midterm and final project documents.
2. Answer the queries by reviewer and resubmit the documents as demanded by reviewers.

Limitations:

1. Notification isn't available when user is not using the internet.
2. Lack of available and/or reliable data
3. Self-reported data
4. Lack of visibility on a wider scale

6. Literature Review

6.1 Yahoo! Briefcase

Yahoo! Briefcase was an online file storage service offer by Yahoo!, providing 30MB of online storage of files, including photo files, etc. up to 5MB. In 2001 up to 50 megs of photo storage/sharing alone was offered - this was in addition to the just "files" facility that remained available in its final years after photos moved to Flickr. The Briefcase service started in August 1999 [1] and was shut down on March 30, 2009.

6.2 Apple iDisk

“Keep important files with you, even when your Mac isn't” With iDisk, you can store files on Apple's servers and access them online from any Internet-connected computer, Mac or Windows [7]iDisk is the online file-storage system by Apple Computers, Inc.,as part of its' .Mac package of Internet services. It supports the creation of folders for grouping files, and a public folder for making files available online. Rather than being a web-based system, it uses the WebDAV protocol for deployment. Accessing it requires a Mac OS X computer which has built-in iDisk WebDAV support, or the iDisk Utility for Windows XP. A big feature of iDisk, at least on Apple computers, is its integration with Mac OS X.iDisk is scalable, allows for remote access, and has integrated search functionalities with Mac OS X. However, the user isn't able to edit or create new functionalities and actions so it might not meet future requirements for document management.

6.3 FileNet Content Manager

FileNet Content Manager provides control, access, and sharing of content in a secure and highly scalable environment. Content Manager integrates easily with existing desktop and business applications for easy collaboration, and it manages all events in the content life cycle—from creation to revision, approval to archival. [8]FileNet Content Manager is a high-end content managing platform geared more towards big enterprises. It is scalable, and it has advanced search capabilities for helping the user find specific files and documents.[9] One thing it lacks is the ability to modify functionalities in order to meet future requirements and specifications as they arrive.

7. Use Case Diagram

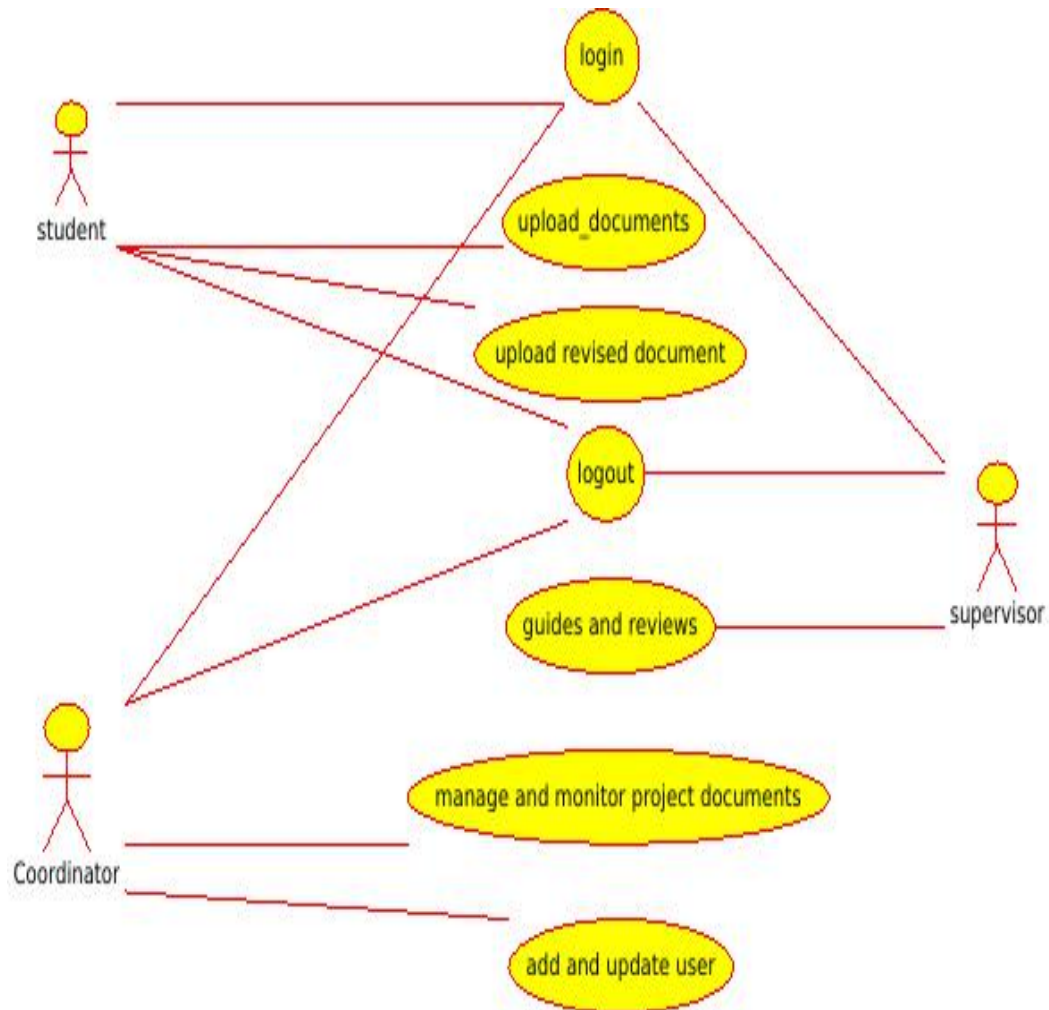


FIGURE 1: USE CASE DIAGRAM

8. Sequential Diagram

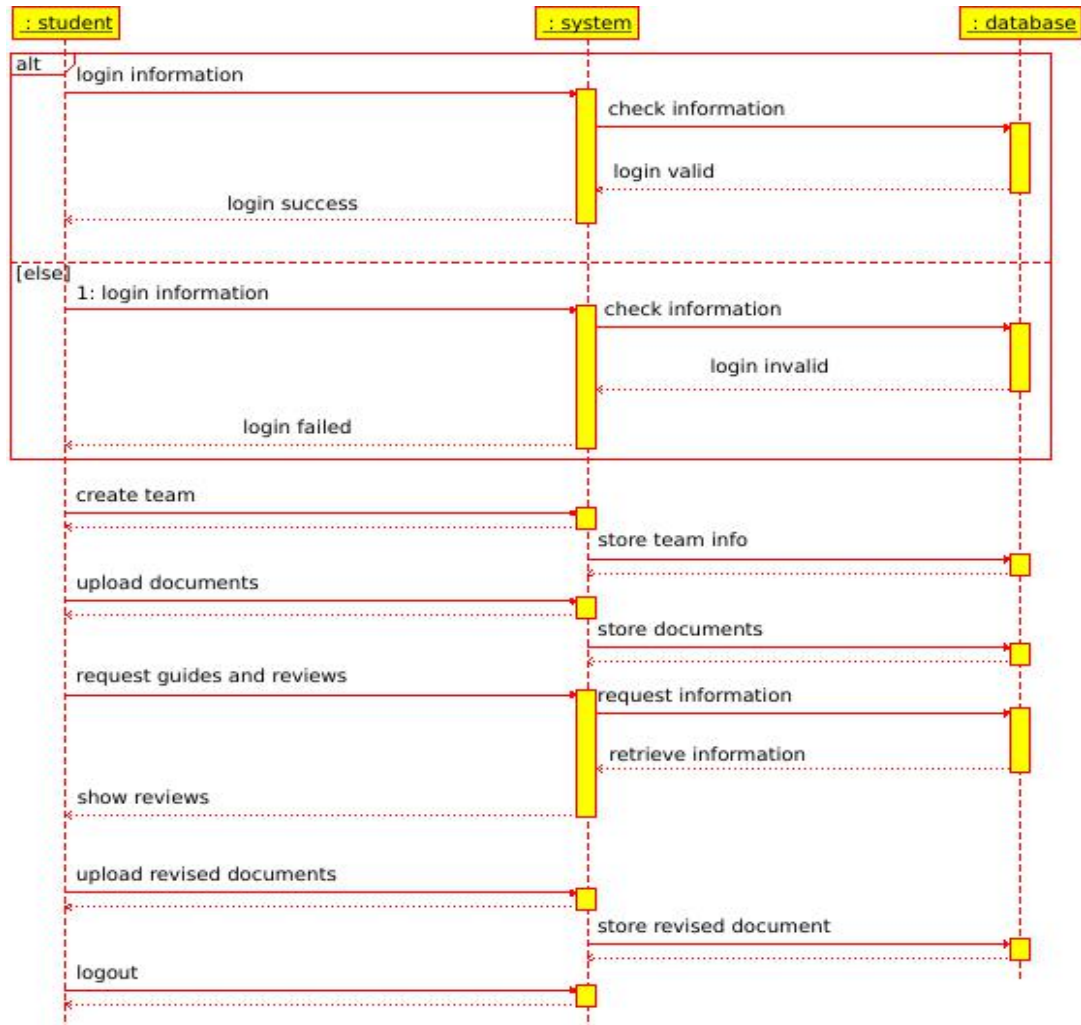


FIGURE 2: SEQUENTIAL DIAGRAM FOR STUDENT

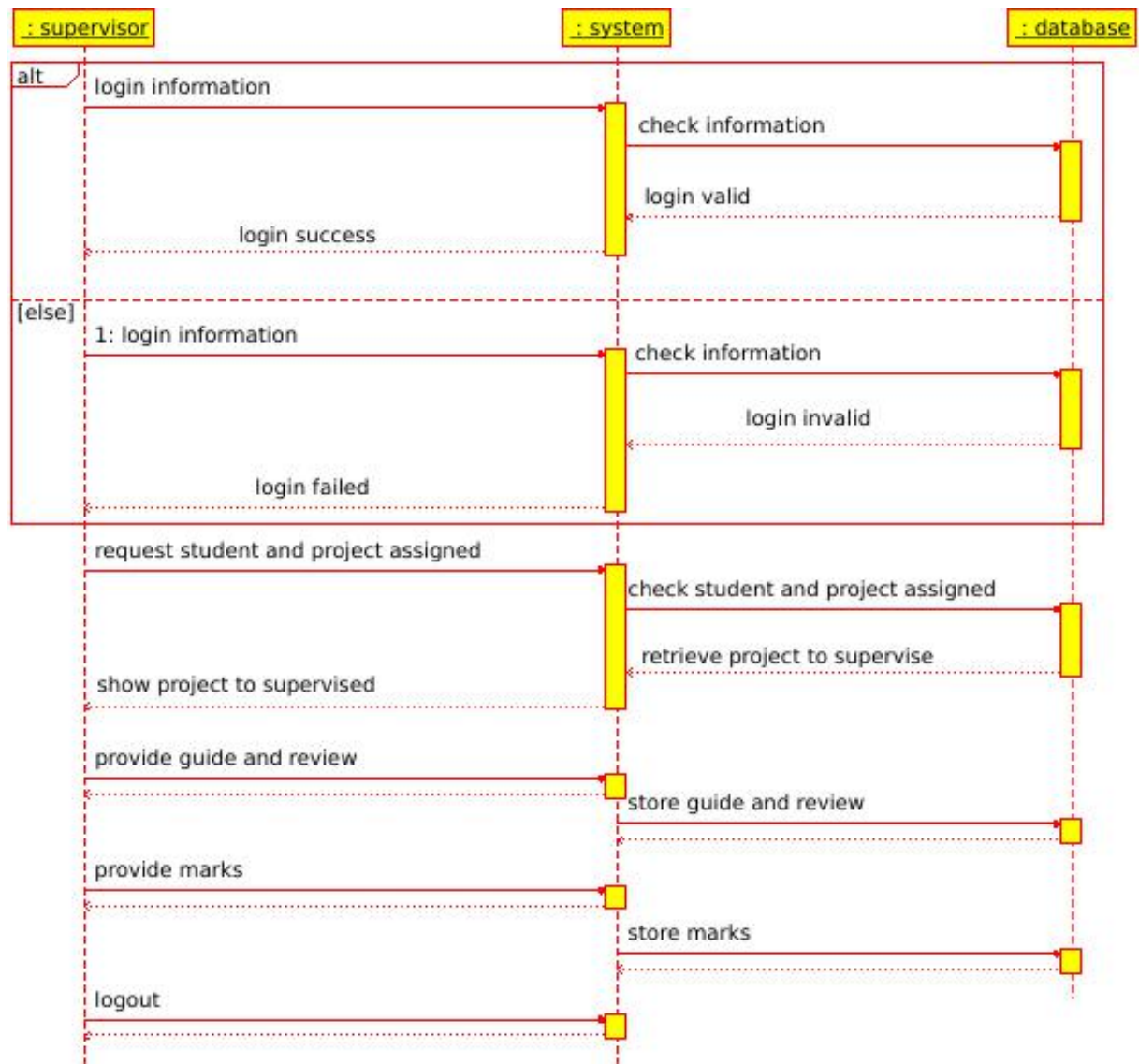


FIGURE 3: SEQUENTIAL DIAGRAM FOR SUPERVISOR

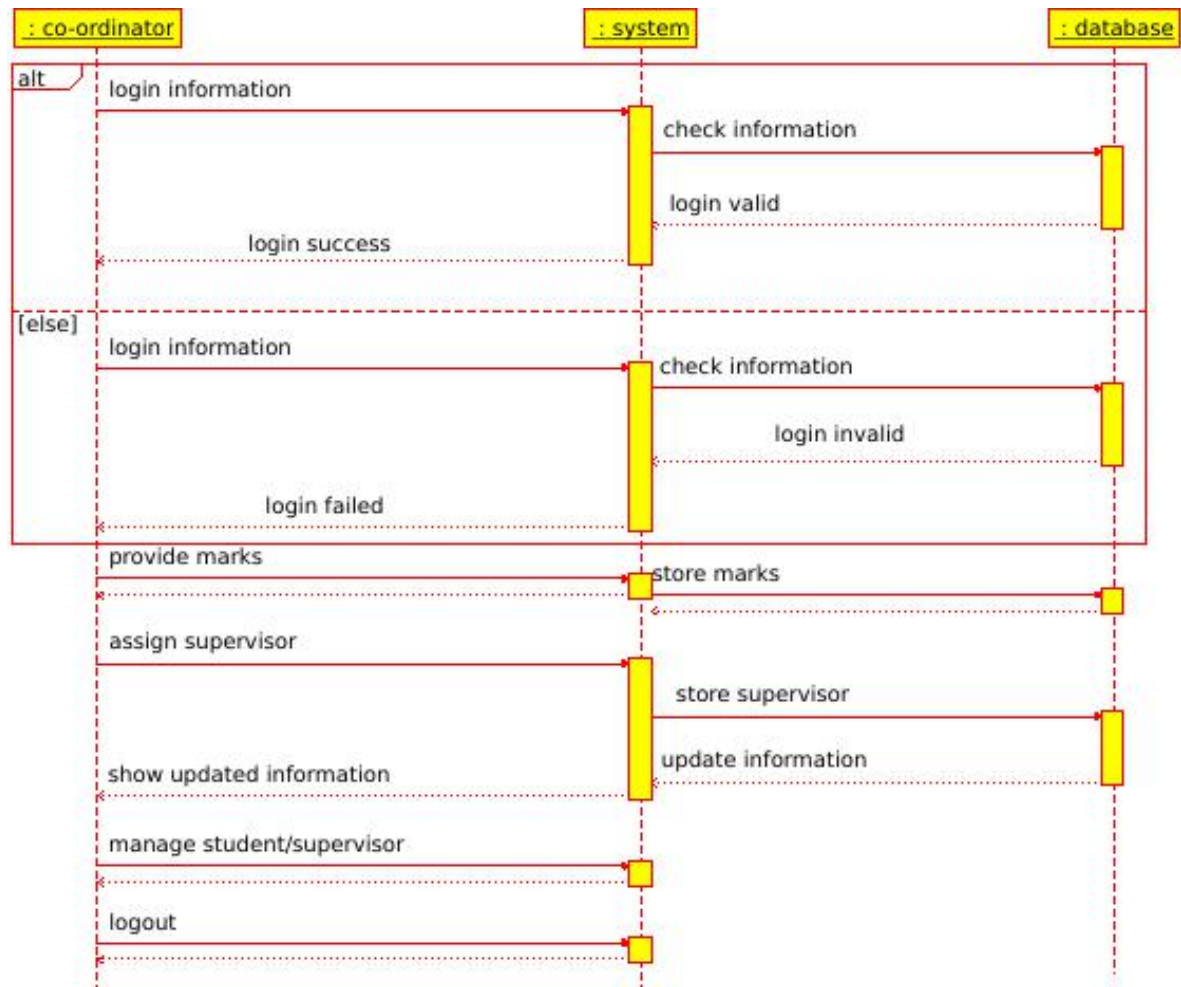


FIGURE 4: SEQUENTIAL DIAGRAM OF PROJECT SUPERVISOR

9. Gantt Chart

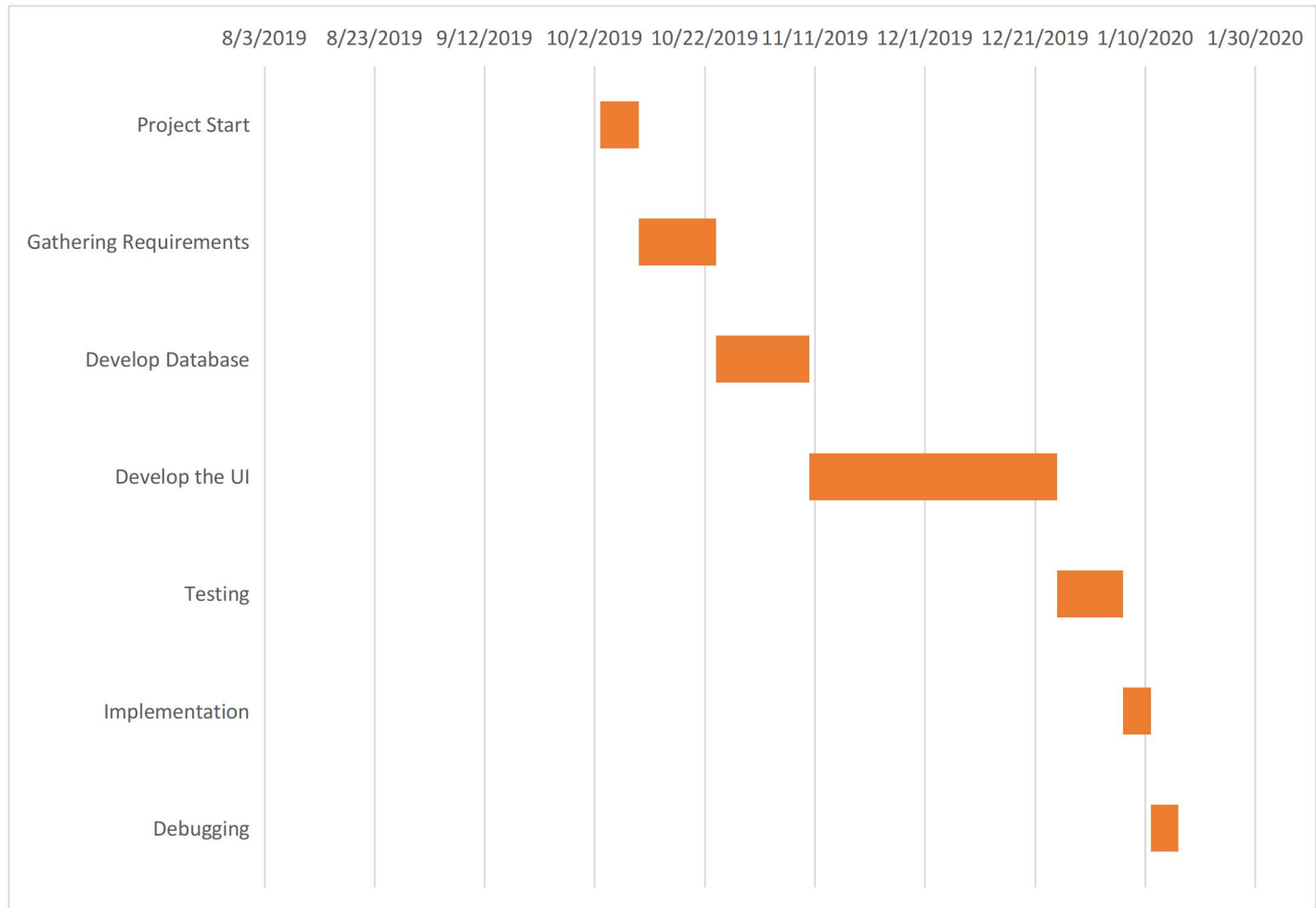


FIGURE 4: Gantt chart.

10. Proposed Methodology

The method we are going to follow in developing this project is incremental model, which is a use of linear sequential model in an iterative manner. New functionalities are added each increment was developed. Linear sequential model is applied to develop each increment. The phases of the linear sequential model are: Analysis, Design, Coding and Testing. The software repeatedly passes through these phases in iteration and an increment is delivered with progressive changes.

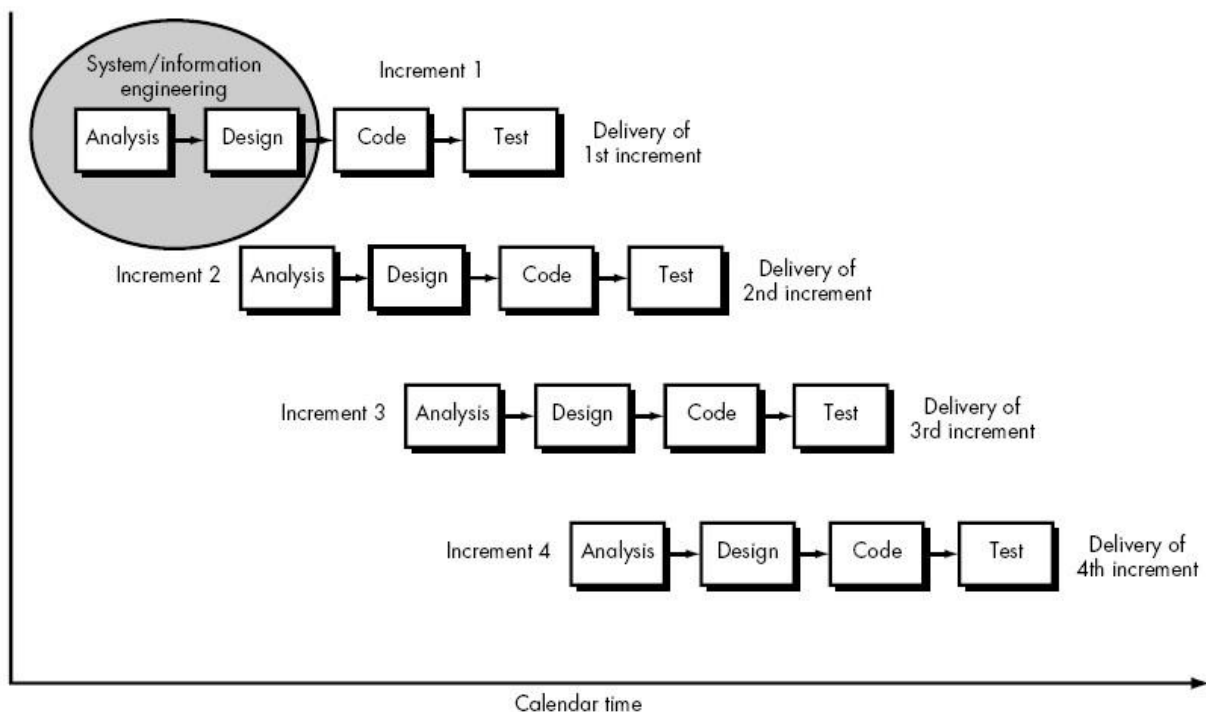


FIGURE 6: Incremental Model

Analysis Phase:

In this phase, analysis is done in order to find out the requirements of the system. The outcome of this phase is an SRS which is an acronym for “System Requirement Specifications”.

Design Phase:

In this phase the SRS is translated into the system’s design. Context Diagram, DFD, ER – Diagram, Use Case Diagram and Class Diagram are developed.

Coding Phase:

In this phase coding is to be done according to the design and a working system is to be developed by the end of this process.

Testing Phase:

In this phase, the system is to be tested. With each testing a list of changes to the system developed, is suggested and the changes are applied to the software and the software is delivered as a successive increment until a satisfying system is achieved.

11. Deliverable Output

- To allow users to register as students, project supervisor and project coordinator.
- To verify/validate the account of the users from their ID.
- To allow students to access the documents of past projects.
- To allow students to upload their documents (for proposal, mid-term and final) and know about their defense date.
- To allow students to interact with their Project supervisor after their proposal is accepted through web.

12. Project Task and Time Schedule

The project schedule has been designed as per requirement and constraints involved. This project is scheduled to be completed in about three months. Requirements analysis had been given more emphasis. Research is to be done first and well documented. Debugging and testing is to be done prior to the complement of the project.

Table 1. Task schedule

TASK	PERSON
Requirement analysis and specification	Hari, Image, Rusan
Undertake analysis of the system	Hari, Image, Rusan
Design system	Hari, Image, Rusan
Procedure requirement specification	Hari, Rusan
Testing and debugging	Image, Rusan
Test system modules	Hari, Rusan
Overall system test	Image, Rusan
Develop Documentation	Hari, Image, Rusan

Table 2. Time schedule

Working Days	Work Done
1-Week	<u>Analysis and Design</u>
4-Week	<u>Implementation</u>
	Web design and creation
	Database creation
	Login , user management functionality
	Data upload/delete functionality
	Backside admin functionality
2-Week	<u>Testing and debugging</u>

13. Conclusion

Project document management system is implemented for submitting document of projects/thesis for the academical purpose. This system helps student and the supervisor to interact virtually and also help in reviewing the project documents through the online web platform. The project supervisor and the project coordinators can evaluate and grade the students on the basis of their overall project performance through this web application.

14. References

1. [7] Apple iDisk Tour, Apple Computer Corp., http://www.mac.com/1/iTour/tour_idisk.html
2. [8] FileNet Content Manager, FileNet Corporation,
http://www.filenet.com/English/Products/Content_Manager/
3. [9] FileNet Content Manager Brochure, FileNet Corporation,
<http://www.filenet.com/English/Products/Datasheets/023250027.pdf>
4. Yahoo "A Cyber-Arsenal for Road Warriors". BusinessWeek. 1999-11-15. Retrieved 2010-05-05. Yahoo!, for instance, introduced Yahoo! Briefcase in August. It allows people to transfer documents and photos to a central computer where colleagues or friends can view them.
5. Meyer, David (2009-01-30). "Yahoo drops its Briefcase". cnet.com. *CNET*. Retrieved 2013-06-26.