Project Proposal

On

Online News Portal.



Name: Reshika Bhasink.

Student Id: 170340

Batch No.: 22’D’

Email: [reshikabhasink@gmail.com](mailto:reshikabhasink@gmail.com)

Softwarica College of IT & E-Commerce

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Table of Content.

[Chapter 1: Introduction 4](#_Toc5363885)

[Chapter 2: Scope of the Project. 6](#_Toc5363886)

[Chapter 3: Development Methodology. 7](#_Toc5363887)

[Chapter 4: Project Plan. 10](#_Toc5363888)

[Chapter 5: Risk Management. 15](#_Toc5363889)

[Chapter 6: Configuration Management. 17](#_Toc5363890)

[Conclusion. 19](#_Toc5363891)

[Bibliographies and References. 20](#_Toc5363892)

Table of Figures.

[Figure 1: Waterfall Model 7](#_Toc5364688)

[Figure 2: Model View Controller 8](#_Toc5364689)

[Figure 3: 3-tier architecture 9](#_Toc5364690)

[Figure 4: Work Breakdown Structure 10](#_Toc5364691)

[Figure 5:WBS in tabular form 11](#_Toc5364692)

[Figure 6:Time Estimation table 13](#_Toc5364693)

[Figure 7: Gnatt Chart 14](#_Toc5364694)

[Figure 8: Risk Likelihood 15](#_Toc5364695)

[Figure 9:Risk Consequences 15](#_Toc5364696)

[Figure 10: Impacts and Actions 16](#_Toc5364697)

[Figure 11: Uploaded Files in GitHub 17](#_Toc5364698)

[Figure 12: Tree Structure. 18](#_Toc5364699)

# Chapter 1: Introduction

Project Introduction.

The project I am working on is an Online News Portal. Nowadays, we live in age of Information Communication and Technology. We can’t even think a single moment without technology. From morning to night, we need help of technology. Most of the works depends upon web application. This news portal will save the time of users in this busy world and helps them to improve their awareness.

Justification for Project.

Background of the Project.

Basically, an Online News Portal is the online version of a newspaper, either as a stand-alone publication or as the online version of a printed periodically. This portal provides up-to-date information in internet about all the news. The portal will reside of sections addressing different information needs. This system will indeed save the time of users. Users can view the news according to their wish such as Bollywood, movies, nationals and internationals, business etc.

Problem Statement.

To read a newspaper one must go to nearest shop and buy one. Some people don’t even have that much time to read newspaper. They buy them and forget to read it because of their busy schedule. The proposed system will overcome all of the problems. Such as it saves time as well as money of users. one need not turn on TV or Radio to get news they can check it out whenever they are in work. They are also good in terms of environment as no more paper are

Description of the Project.

Features

* Online News Portal allows customers to read up to date news related to various field like Politics, Sports, Education, Business, Bollywood, Hollywood etc.
* Without payment or login, he/she can also contact us to give suggestions and can give us feedback related to our site.
* New news can be added or posted only by admin and only admin have the authority to update or delete any news.
* Admin have the right to give authority to other for News update, add or delete.

Overview of the Project.

In this project I have made an attempt to develop a News or Information based website. This project helps people and makes them aware so that they can know any news. Various methodologies shall be used to develop this website.

# Chapter 2: Scope of the Project.

Scope

A lot of project has been made on online news portal. Various online newspaper is available at present time. But most of those are static and traditional and doesn’t include the feature that helps in awareness. Our project has various features that provides awareness and this helps people to get more and more information in their daily life.

Limitation

The major limitation of this portal is it could crash if many people are trying to access it at the same time

Aims

* The major aim of this project is to save the time of the users so that they don’t have to wait for the newspaper in the morning.
* News of all categories shall be uploaded in this by the use of databases and real-time algorithms.

Objectives

* The objective of this project is to develop a web application for Online News Paper Website that can aware people.
* To provide daily news.
* Anytime, anywhere people can get information through internet in a low cost.
* It makes use of various technologies to get required crime-oriented information more easily and quickly.

# Chapter 3: Development Methodology.

Waterfall Methodology.

Waterfall model is the first approach used in software development. In this methodology, one step must be completed before going to another step. For the project I have used Waterfall methodology. Output of one step is input for next step. Steps involved in the process are divided into six steps i.e. Requirement analysis, Design, Implementation, Testing, Deployment, Maintenance.

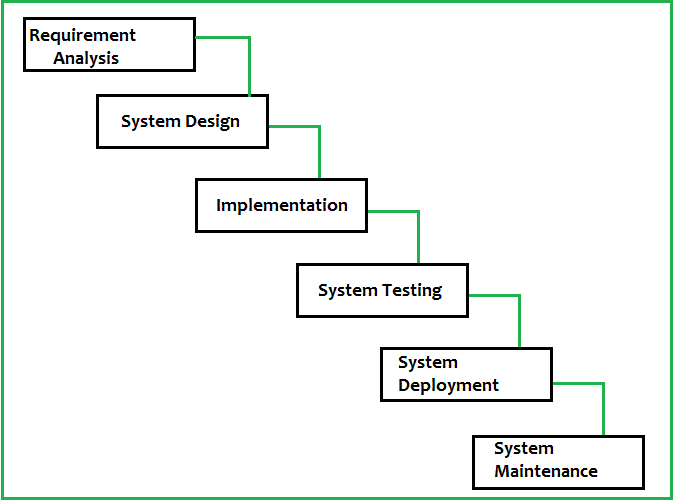


Figure 1: Waterfall Model

It is very simple to understand and use.  In a waterfall model, each phase must be completed fully before the next phase can begin. It is mainly suitable when the project is small and there are no uncertain requirements. When compared with other methodologies, Waterfall focuses most on a clear, defined set of steps. Waterfall’s approach is highly methodical, so it should come as no surprise that the methodology emphasizes a clean transfer of information at each step.

Design Pattern.

Design patterns are reusable solutions for the commonly occurring problems. I am using MVC pattern in this project. MVC Pattern stands for Model-View-Controller Pattern. This pattern is used to separate application's concerns.

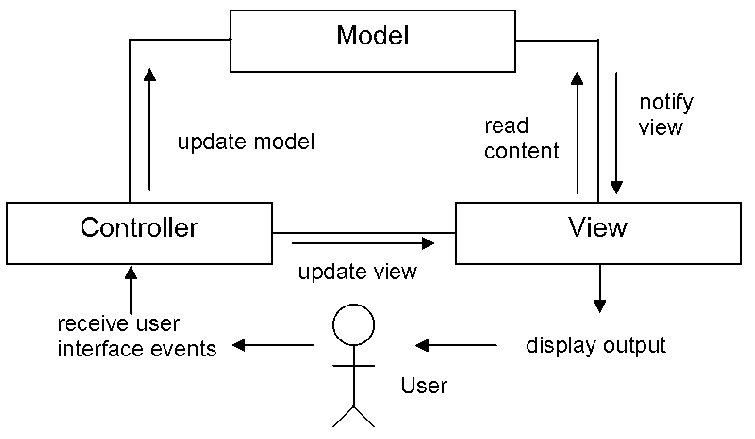


Figure 2: Model View Controller

* **Model** - Model represents an object or JAVA POJO carrying data. It can also have logic to update controller if its data changes.
* **View** - View represents the visualization of the data that model contains.
* **Controller** - Controller acts on both model and view. It controls the data flow into model object and updates the view whenever data changes. It keeps view and model separate.

So, this is why I have used MVC design pattern.

System Architecture.

A system architecture is the conceptual model that defines the structure, behavior, and more views of a system. I have used 3-tier structure for this project. This structure makes logical separation between presentation layer, business logic layer and database layer. It is secured, easily manageable and highly understandable. It adds reliability and more independence of the underlying servers or services. We will have the ability to utilize new technologies as they become available. This ensures our product is ready to adapt; ready for the future.

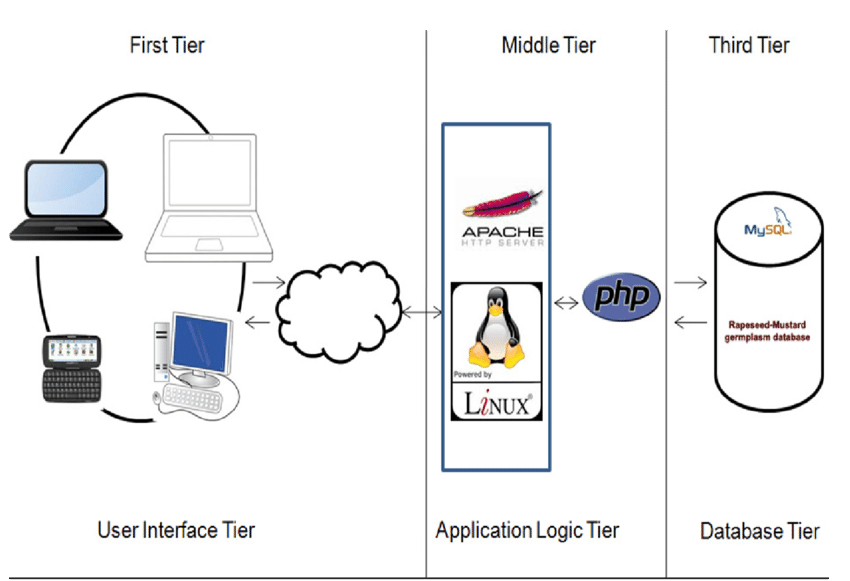


Figure 3: 3-tier architecture

# Chapter 4: Project Plan.

Work Breakdown Structure.

Work breakdown structure is the process or structure that is required to perform a task. It divides small and manageable work into simple form. Usually a manager of the project creates the work breakdown structure.

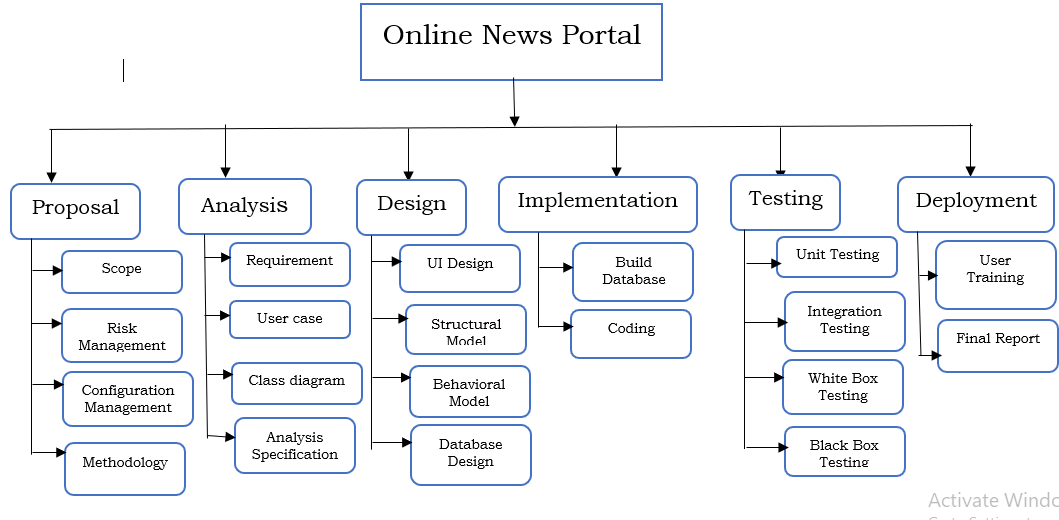


Figure 4: Work Breakdown Structure

The above figure indicates the work breakdown of the project I have chosen. The above figure illustrates the project being divided in the several parts.

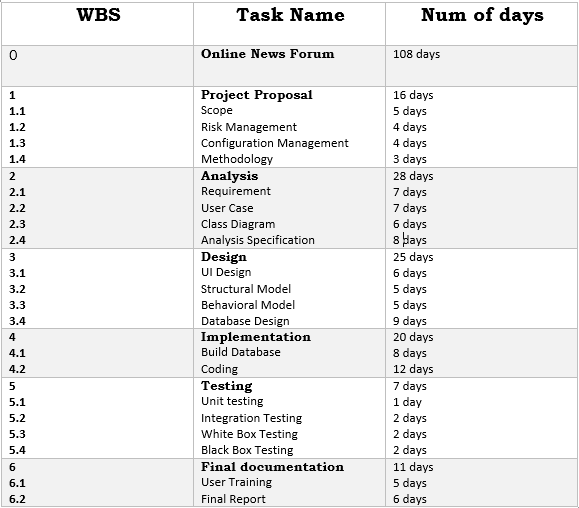


Figure 5:WBS in tabular form

Above is the WBS in tabular form where I have divided the project into several parts and shown the days those tasks will take.

Milestones.

A Milestone is a reference point that marks a major event in a project management system and is used to monitor the project management process. I have some dates in which the different steps of my project will be done and they are the milestones of my project. I will follow my project milestones in order to complete my project of online website in time.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.N | Milestone | Start | Deadline | Days |
| 1 | **Proposal**  1.1 Scope  1.2 Risk management  1.3 Configuration management  1.4 Methodology | **25 March**  3/25/2019  3/30/2019  4/3/2019  4/7/2019 | **9 April**  3/29/2019  4/2/2019  4/6/2019  4/9/2019 | **16 days**  5 days  4 days  4 days  3 days |
| 2 | **Analysis**  2.1 Requirement  2.2 User case  2.3 Class diagram  2.4 Analysis specification | **10 April**  4/10/2019  4/17/2019  4/24/2019  4/30/2019 | **8 May**  4/16/2019  4/23/2019  4/29/2019  5/8/2019 | **28 days**  7 days  7 days  6 days  8 days |
| 3 | **Design**  3.1 UI design  3.2 Structural Model  3.3 Behavioral Model  3.4 Database design | **9 May**  5/9/2019  5/15/2019  5/20/2019  5/25/2019 | **3 June**  5/14/2019  5/19/2019  5/24/2019  6/3/2019 | **25 days**  6 days  5 days  5 days  9 days |
| 4 | **Implementation**  4.1 Build database  4.2 Coding | **4 June**  6/4/2019  6/12/2019 | **24 June**  6/11/2019  6/24/2019 | **20 days**  8 days  12 days |
| 5 | **Testing**  5.1 Unit Testing  5.2 Integration Testing  5.3 Whitebox Testing  5.4 Blackbox Testing | **25 June**  6/25/2019  6/28/2019  6/30/2019  7/1/2019 | **1 July**  6/27/2019  6/29/2019  6/30/2019  7/1/2019 | **7 days**  3 days  2 days  1 day  1 day |
| 6 | **Final Document**  6.1 User Training  6.2 Final Report | **2 July**  7/2/2019  7/7/2019 | **12 July**  7/6/2019  7/12/2019 | **11 days**  5 days  6 days |

**Description of Milestones**

**Proposal**

I allocate total 16 days for this task i.e. is 4 days for Risk Management, 3 days for methodology, 4 days for configuration management and 5 days for scope.

**Analysis**

I allocate total 28 days for this task i.e. 7 days for requirement analysis, 7 days for Use case diagram, 6 days for Class Diagram, 8 days for Analysis Specification.

**Design**

I allocate total 25 days for this task i.e. 6 days for Structural model, 5 days for Behavioral model, 5 days for UI design, 9 days for database design.

**Implementation**

I allocate total 20 days for this task i.e. 7 days for database build and 25 days for coding.

**Testing**

I allocate total 7 days for this task i.e. 3 days for unit testing 2 days for integration testing, 1 day for black box testing and 1 day for white box testing.

**Deployment**

I allocate total 11 days for this task i.e. 5 days for user training and 6 days for Final Report.

Scheduling.

Time Estimation Table

Accurate time estimation is a skill essential for good project management. It is important to get time estimates right because Time estimates drive the setting of deadlines for delivery and planning of projects, and hence will impact on other people’s assessment of our reliability and competence as a project manager.

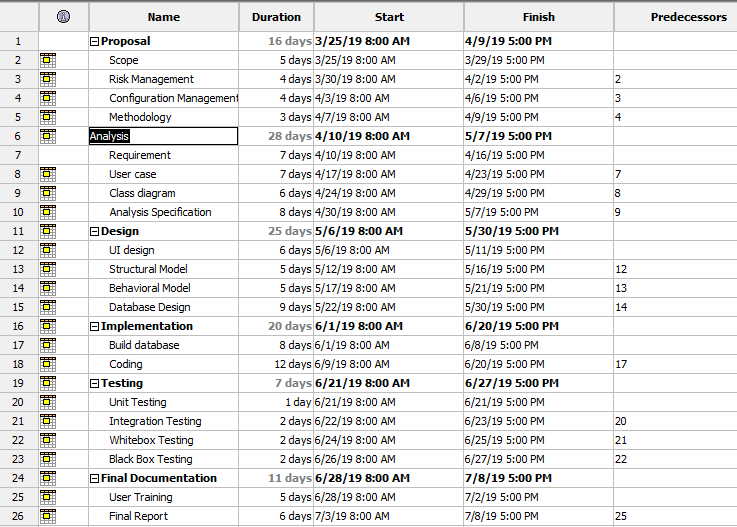


Figure 6:Time Estimation table

Gantt Chart.

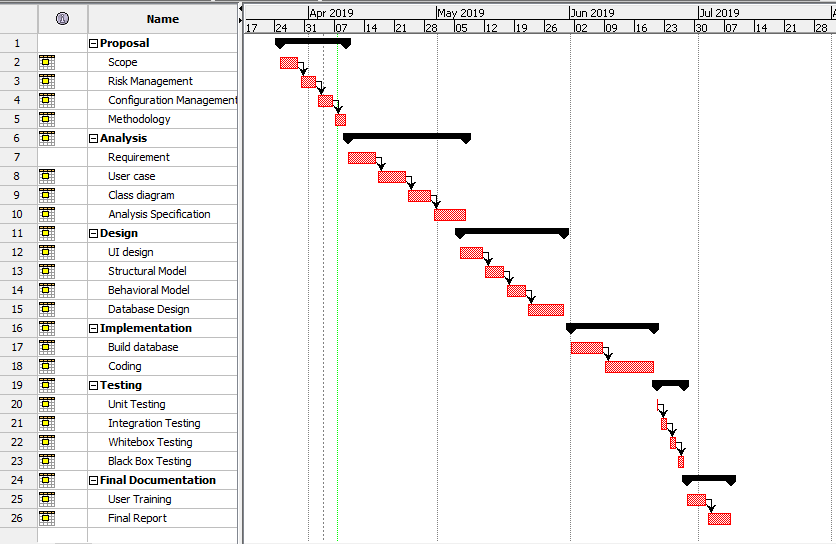


Figure 7: Gantt Chart

# Chapter 5: Risk Management.

Risk management means analyzing and identifying the risk factor of a project. All the applications are not perfect and my application also has some of defects. But there are some hazards that may be of some danger in the near future if not taken seriously. So, these hazards have to be solved in the starting time for the better implementation in future. Some of the possible risk are:

Hard disk crash

Bad design

Wrong budget estimation

System Failure [*Impact = Likelihood \* Consequence*]

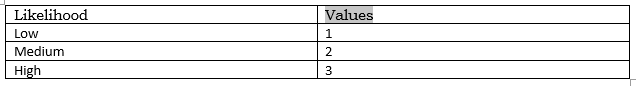


Figure 8: Risk Likelihood

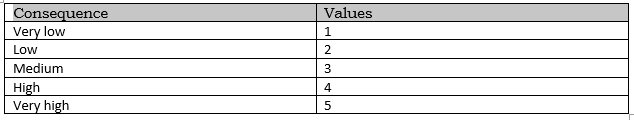


Figure 9:Risk Consequences

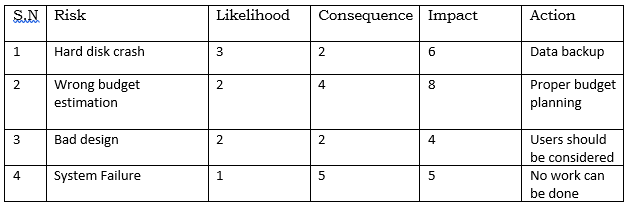


Figure 10: Impacts and Actions

# Chapter 6: Configuration Management.

Project configurationmanagement is managing the configuration of all of the project's key products and assets. This includes any end products that will be delivered to the customer, as well as all management products, such as the project management plan and performance management baseline.

Configuration management focuses on establishing and maintaining consistency of a product's performance, and its functional and physical attributes with its requirements, design, and operational information throughout its life. It streamlines the delivery of software and applications by automating the build out of systems quickly and efficiently. It can be used by management and engineers to check which components have been changed and why, ensuring an audit trail of changes done to the system. This helps with quickly identifying bad configuration changes and allows for rollbacks to well-known working ones to ensure rapid restoration of services.

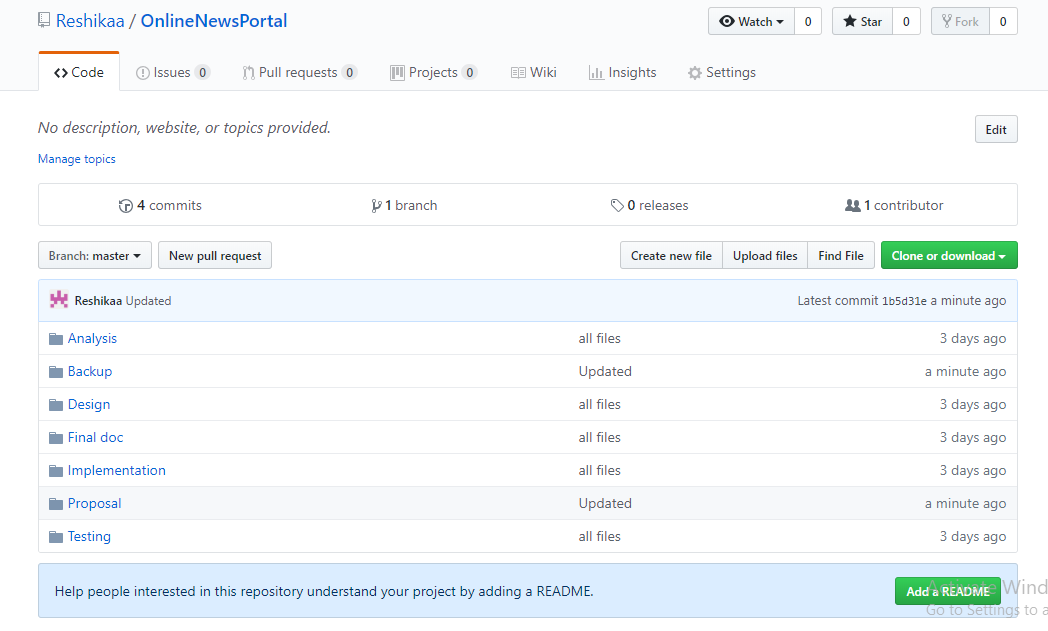


Figure 11: Uploaded Files in GitHub

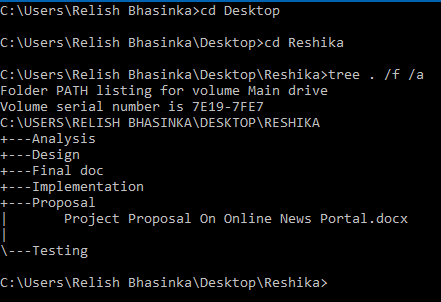


Figure 12: Tree Structure.

Git-id: <https://github.com/Reshikaa/OnlineNewsPortal>

# Conclusion.

Here my project will be online website (Online News Portal) which will be completed with different website developing tools like PHP, CSS, HTML, MYSQL, J Query, Java Script. In this project non-registered members can also browse through website to view news and get the information. The web based application will be very user friendly and reliable and will provide basic information.

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