**Project Proposal**

**On**

**E-commerce**

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**Computing Project**

**Level 5 Diploma in Computing**

**Softwarica College of IT and E-Commerce**

**Kathmandu, Nepal**

**2018/12/28**

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# **Introduction**

## **Project Introduction**

Bigheart web company is a modern website design and development company. It focuses on user centric design and makes client to achieve their desire website. It lets user to search, buy and share website from anywhere you want. Customer can shop products from trusted supplier, compare prices, read reviews and share products with friends. User can search production according to section, filter products and rate the products.

## **Justification for project**

### **Background of the project**

### **Problem Statement**

## **Description of project**

### **Features**

The features of the project are listed below:

User can login and join

# **Project Scope**

## **Scope and limitation of project**

## **Aims and Objectives**

**Aims:** The aims that I want to achieve are listed below:

* Make available of the facility of posting their property information.
* User should be able to buy the desired property.

**Objectives:** Action that I will take to achieve my aim are:

* User will have the facility to sign-up and login which will allow them to use the facility of posting the advertisement and also buy the property they desired (Rooms and Houses).
* User can provide the detail along with uploading the picture once they are logged in.

# **Development Methodology**

## **Methodology used**

Waterfall methodology was used to develop the application.

Figure 1 Phases of waterfall model

## **Design Pattern**

## **System Architecture**

I am going to use 3-tier Architecture. 3-tier architecture is a hierarchical software architecture which is divided into three layers: A presentation layer, An application layer and A data layer. Reasons for using this architecture are:

* Increase in efficiency: Work is divided into several system as each tier has their own function which will help to increase efficiency.
* Increase in security:

Since RDBMS provides single point access and governs who is retrieving the data and how it is updated.

* Increase in scalability

Since System can run in different hardware and OS. The technological stack (OS or related utilities) can be updated without impacting other areas of application.

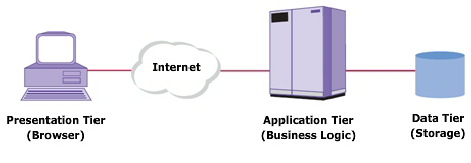


Figure 2: Three tier architecture

# **Work Breakdown Structure (WBS) / Scheduling**

## **Work Breakdown Structure**

## **Milestones**

|  |  |
| --- | --- |
| **Milestones** | **Date** |
| **Project Management**  Risk Management  WBS  Configuration Management  Proposal Submission |  |
| **Analysis**  Feasibility Study  Requirement analysis  Planning  Use Case  Architecture (Initial Class Diagram) |  |
| **Design**  Structural Diagram  Behavioral Diagram  UI Design  Database Design (ER, Data Dictionary) |  |
| **Implementation**  Building Database  Coding |  |
| **Testing**  Unit Testing  Integration Testing  Blackbox Testing  Whitebox Testing |  |
| **Deployment**  User Training  Final Report |  |

## **Scheduling / Gantt Chart**

# **Risk Management**

# **Configuration Management**

# **Conclusion of the project**

# **References**

Figure 3: Workbreak down structure