Author Name: Andre Alexandrov

Site Name, Old Mate

Products to be sold:

Products will include anything that was produced before the 21st century

Brief description of the site (1-2 lines)

**The site is designed to be a place where people and businesses can sell items that were produced prior to 2000.**

## Business Drivers ( Problem / Opportunity statement)

(1-2 lines)

Competitor opened down the road and Old Mate is losing customers as the new business has an ecommerce site where as Old Mate uses a traditional approach with over the phone. Too many are calling asking about products instead of checking a website, causing Old Mate to loose customers through big waiting times thus loosing money.

## Objectives

* Dive 5% rev in new sales a year, $3000 extra
* Staff redeployment into tech-based position, within a year
* 10% reduction in phone calls, cost benefit, to be achieved within a year
* Customer net satisfaction index increase by 10%, to be achieved within a year

## Project scope

### Deliverables

**Develop an ecommerce website that uses client-side and server-side technologies to dynamically display products currently in stock, and let customers view and add products to a cart that automatically updates the store database.**

### Project requirements

### Organisational Requirements

Organisational standards:

- PHP naming standards

o Variables: lowerCamelCase or lower\_lower\_case

o Constants: CONSTANT\_CASE

Legislative requirements:

- Privacy policy

o What information we collect

o How and where it is stored

Database data requirements:

- Use https and or SSL when adding data to the DB

- Encrypt sensitive information

### Site Functionalities:

Client-side functionalities

- Client side credential validation

- Product counts displayed

Server-side functionalities

- Store shopping cart info

- Be able to update product state when client selects product

- Store user credentials

- Products retrieved and displayed from DB

- Inventory Management

- Management of cookies

- Manage connection to database

### Technical requirements:

(Identify the upgrades and technical requirements)

Web server

- Apache 2.0

Database server

- MySql 8.0.28

Scripting language

- PHP 7.2.1

- JavaScript

Two security requirements

- Username and Password

- https

## Constraints

1. Completion date: end of semester
2. Resources: ITWorks resources, 8hr per week
3. Tech: must be using open source, no budget for software
4. Can not be over budget

Some of the constraints that this project has is time; the project must be completed by the 1st of December, and that there are only 8 work hours available every week with ITWorks resources. More constraints come with the fact all software must be open sources with no budget being allocated to that combined with the fact the project can not be over budget.

## Project Phases Schedule

Initiation phase 31/07/2023 – 09/09/2023

Planning phase 09/09/2023 – 22/09/2023

Execution phase 16/10/2023 – 10/11/2023

Closeout phase 10/11/2023– 01/12/2023

## Indicative Project Budget

### Project costs

Labour:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Job role | Hours per week | Project weeks | Rate of pay | Total |
| All Project team members | 8 | 16 | $50 | $6,400  Not counted in total |
| Project Manager | 2 | 16 | $50 | $1,600 |
| Database Administrator | 2 | 16 | $50 | $1,600 |
| Programmer | 2 | 16 | $50 | $1,600 |
| Web Developer | 2 | 16 | $50 | $1,600 |
| Total labour costs | | | | $6,400 |

### Materials & Apps

|  |  |  |  |
| --- | --- | --- | --- |
| Resource name | Cost each | Quantity | Total |
| Apache | $0 | 1 | $0 |
| Visual Studio code | $0 | 1 | $0 |
| MySQL Server | $0 | 1 | $0 |
| MySQL workbench | $0 | 1 | $0 |
| Web browser | $0 | 1 | $0 |
| Total cost of Materials & Apps | | | $0 |

|  |  |
| --- | --- |
| Total cost for project ( labour + materials & Apps | $6,400 |

## Project Team members

|  |  |
| --- | --- |
| Project Role | Project Tasks |
| Project Manager | Interview with Client  Interview with Project Director  Development of Project Charter  Feasibility Report  Progress Report 01  Progress Report 02  Finalisation Report  Handover and Client Demo |
| Programmer, back end coding | Design SQL queries  CRUD functionality  Register page  Login page  order page  products page  View shopping cart page  Search products |
| Database Administrator | Design database  Create database  Maintain database  Design SQL queries |
| Web Developer, front end coding | Register page  Login page  order page  products page  View shopping cart page |

## Risk

The main risks regarding this project include the potential of the expectation of the client being too high this can lead into the project being over budget and over schedule with trying to catch up with the clients changing scope and eventually getting the project signed off. Sudden absences can also become an issue along with teams not performing to expectations.

## Authorisation and sign off

### Approval

|  |  |  |  |
| --- | --- | --- | --- |
| Approved | Postponed | Cancelled | Review |

### Sign off

( Identify your current lecturer as the Project Director – and dated as of the submission date)