## Project Outline

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

(Provide at least 3 measurable 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

(Record all constraints that will restrict the performance and delivery of the project.)

This information given to the student as a part of the Project Director discussion.

## 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

This information given to the student as a part of the Project Director discussion.

## 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

* Over schedule/budget
* Sudden absences
* Expectations too high
* Teams not performing
* Unexpected scope changes
* Needs to expect project and sign off.

## Authorisation and sign off

### Recommendation

(Make a written recommendation statement out of this: )

The recommendation is to proceed with the *< Named Project as identified in Project Outline>* to achieve *< the problem / opportunity statement identified in Business Drivers>* with the recommended start and end times of *< Dates From the Project Phases Schedule>* and with the suggested Budget of *< Value from Indicative Budget>*

(provide a complete statement with details so we don’t have to go looking for the information - the Recommendation statement itself, is a complete statement that could be copied and pasted into another document and it makes sense)

### Approval

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

### Sign off

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