PROJECT MANAGEMENT PLAN

FOR THE

FASHION STORE WEBSITE

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Fashion Store Website, FSW01

TABLE OF CONTENTS

Section **Page**

SECTION 1. OVERVIEW

1.1 PROJECT SUMMARY

1.1.1 Purpose, Scope, and Objectives

The purpose of this document is to serve as a guide for development of the project and making sure that all requirements are met and the produced system functions according to the client's requirements.

The scope of this system is a web based software serving two main users; The customer and the admin. Through its different functionalities,

The customer:

- Uses the website to view available products through different categories
- Order products online
- Track his purchases through his payment reference number
- Contact the store for customer support

The admin:

- Uses the website to add or remove the products of the store to the site
- Update information about the products
- Tracks the sold products to insure their availability in the inventory

Objectives:

- The project will increase the sales of the fashion house
- Open a new channel of connection between the fashion house and the customer
- Helps making more marketing and publicity for the brand
- Collecting data and feedback about the products and their customers (market review)
- Make the brand easy to be reached for the customers anywhere around the country
- A way of building customer trust by publishing annual achievements

1.1.2 Assumptions and Constraints

Assumptions:

- The website will need an internet connection to be reached
- The Website works on most browsers
- The user's account needs to be activated via mail or phone so that the customer would be able to purchase products
- The user's account should have a credit card number for the billing system
- Loads for a few seconds only to find searched products for the user
- The cart of products will have a maximum of 50 products per purchase *
- The customer will have to confirm the purchase before billing
- The purchase will take from 10-15 days to be shipped to the customer
- The customer will receive a reference number to his bill to be able to track his purchase
- If anything went wrong the customer can always call customer service
- For the admin, the inventory levels should always be taken care of

- Editing or removing products will have to be confirmed
- Only Microsoft Services will be used

Constraints:

- Budget
  - The website will not exceed the estimated budget
- Time
  - Once the URL is purchased it only takes (5 months) for the website to be fully built
  - Images for the products on the website loads in a good amount of time for the customer not to get board
- Staff
  - A group of employees will be responsible for answering customer complaints on the website
  - Another group of staff will be responsible for maintaining the website
- Maintenance
  - The website will have to be designed such as the maintenance expenses do not cost the company a fortune

1.1.3 Project Deliverables

- Software program and library binaries
- Publicize plan documentation
- Source code of the implemented web application
- Source code documentation
- Fully implemented web application

Software documentation:

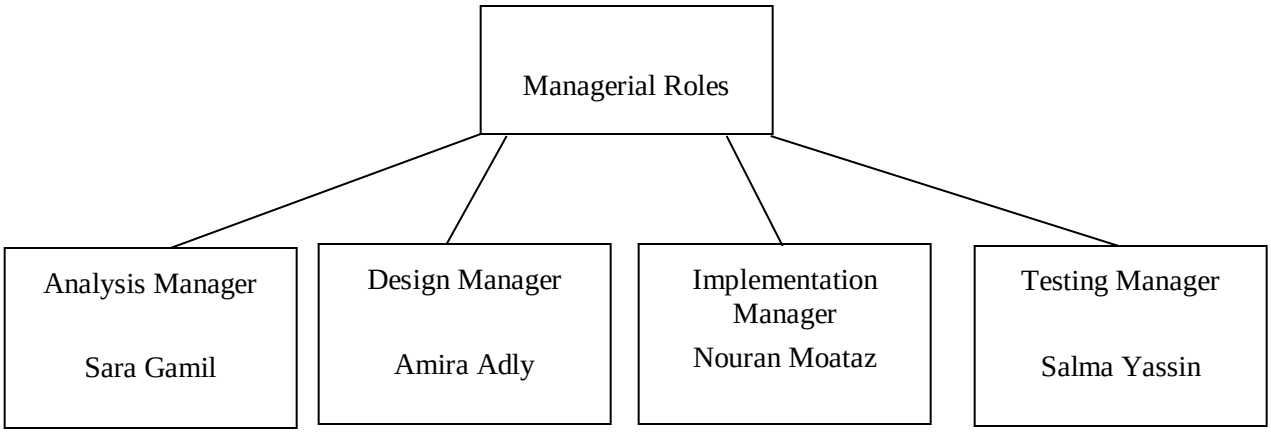
- Installation documentation
- End-user documentation
- Software maintenance documentation

Project documentation:

- Software Requirements Specification (SRS) documentation
- Software Design Specification (SDS) documentation
- Software Project Management Plan (SPMP) documentation
- Software Test Plan (STP) documentation
- Software Quality Assurance Plan (SQAP) documentation
- Software Configuration Management Plan (SCMP) documentation
- Software Verification and Validation Plan (SVVP) documentation
- System description documentation
- Project team organization documentation
- Business need documentation
- Cost-benefit analysis documentation

SECTION 4. PROJECT ORGANIZATION

4.3 PROJECT ROLES AND RESPONSIBILITIES



Responsibilities:

Analysis Manager: His role is to make the organization aware of the challenges along the way before actually facing them in order to set a clear view of the required software project. Once the Analysis phase begins, the Analysis manager starts dividing roles on the members to make sure to gather all functional requirements and identify objectives and required deliverables

Design Manager: Design Managers are responsible for managing the process of producing initial low fidelity and high fidelity designs for the GUI (Graphical User Interface) and the initial database design using ERD. Then, get both designs professionally done, ready for implementing.

Implementation Manager: Responsible of distributing small pieces of the program on the developers, to make sure that the program is fully implemented so that he can collect all the pieces again to form a strong full developed web application meeting all the required functionalities.

Testing Manager: Responsible for fully testing the functionalities of the system and insure that all the expected results are being produced by the system. He also tests all the designs of the system to make sure that they are interactive user friendly designs.

SECTION 6. TECHNICAL PROCESS

6.2 METHODS, TOOLS AND TECHNIQUES

Project Management Method (SPM):

The Step-Wise approach will be applied throughout the project. First, the project will be selected this step is called step 0 because it is outside the main planning process. Second, the project scope and objectives will be identified in parallel with the identification of the project's infrastructures. Afterwards, we will start analysing the project characteristics, by taking in consideration user requirements concerning implementation and reviewing overall resource estimates. In the next step, the products and activities will be identified by describing the project products including quality criteria; we get back to this step every once in a while for review. Afterwards, efforts will be estimated for every activity to create controllable activities. Then, identifying activity risks for every activity estimated in the previous step to achieve planned risk reduction. Next, we will allocate resources by revising plans to take account of resource constraints. Before reaching the execution plan we will review and publicize the plan in order to review quality aspects of the plan and documenting them. Finally, we reach the execution plan and if any issues were found in the lower level details we will get back to estimating efforts for every activity or back to reviewing them with the products and activities identification.

Software Development Method (SD):

The used software development methodology will be the agile model where small incremental releases happen in rapid cycles, as it is the most suitable methodology to our web application due to its rapidness. The web application is small with clear requirements, but needs constant feedback and testing from the users in our case either the admin or the customer , the phases will be tested and updated every once in a while to make sure that the final product is exactly what is required by the customer and that it meets all functional requirements. The project will be generally analysed; gathering most of the functional requirements, the design phase will start. The design phase consists of two levels the system design and project design. The system design phase will start by designing a system including the database and the main basic functionalities for both users, when the system design is complete, the project design phase will be developed creating an initial GUI (Graphic User Interface) for both users to surf through the application, it needs to as accessible as possible so that all users can use the system with ease. The implementation phase, developers will start developing the system designed in the previous phases while working on developing the system a lot of technicalities can be found in the designs previously made therefore the previously made designs will be updated to meet the new specifications and design until we reach the final stage of this incremental cycle. Afterwards, the system would be fully implemented to make sure that all the requirements were met in order to be delivered to the customer.

Tools and techniques:

- Enterprise Architect → for Analysis phase.
- Visual Studio → for Design and Implementation phases; as we will be using HTML5, CSS3 for designing the frontend as they are the most recent versions of HTML and CSS with the greatest amount of functionalities. JavaScript and JQuery will be used to make the website more interactive and user friendly. For the backend development we will be using MVC since all the developers have a strong background in it and we will only be using Microsoft services.
- Microsoft SQL Server → for Design and Implementation phases, as SQL will be used for designing and implementing the database layer of the web application.
- Visual Studio Test professional → for testing phase.

6.3 PROJECT INFRASTRUCTURE

- The Laptop or the PC the user is using should be connected with a good internet connection for the site to work perfectly
- It is preferred that the internet connection's speed to exceed 1mbps
- The website works with HTML5, CSS3, JavaScript and JQuery which works best with the following internet browsers:
    - Firefox 48.0
    - Google Chrome 52.0
    - Safari 9.1
    - Edge 14