



Design Your Jewellery Website

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Abstract

Design your jewellery is a website that enables users to customise their jewellery by choosing each piece of the jewellery from a menu or uploading it. The website has two languages Arabic and English, the web page consists of side menu, canvas and chatbot for rating. The website is built with front end languages.

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Chapter One: Introduction

1.1 Project Overview

Design your jewellery is a website for all the jewellery designers whether they are beginners or professionals, the website aims to be easy to use, easy to learn and provides flexibility, the project went through several steps starting from planning until developing the website using prototyping-based methodology.

1.2 Problem Statement

Online Jewellery designing websites are provided by the brand of the jewellery which makes designing restricted to the brand's items as well those websites are not responsive that is also an issue for almost all the online designing websites. In order to solve these issues, there should be a public website that's not restricted to any brand and to make sure it is responsive the website should be built from front end native languages.

1.3 Objectives

- Provide Arabic language to the website.
- Provide a website that's easy to use to let designers from all levels and ages using it.
- Develop a responsive online designing website.
- Enable designers to have 100% freedom to design their own jewellery.

Chapter Two: Background Study

2.1 Similar Systems

The corresponding website is developed by the brand metal pressions it enables users to design jewellery using the brand's items to buy it online [1].

Advantages:

1. Easy to use.
2. Ability to search for the items.
3. Flexibility to move items in the canvas.

Disadvantages:

1. Not responsive.
2. Restricted to the brand's items.
3. Some images are not in the right format.

2.2 Method / Approach

The prototyping-based methodology is used to involve random users by keeping them up to date and able to add their comments concurrently to achieve best result. A prototyping-based methodology performs the analysis, design and implementation stages.

Chapter Three: Requirements Analysis

3.1 Functional Requirements

- User should be able to select images from a menu.
- The system should display the selected image by the user in the canvas.
- User should be able to upload images.
- User should be able to change object's size.
- User should be able to add text.
- User should be able to move objects in the canvas.
- User should be able to change canvas's background colour.
- User should be able to change canvas's background image.

3.2 Non-functional Requirements

Performance requirement:

- The system is responding to the user within at most one second.

Availability requirement:

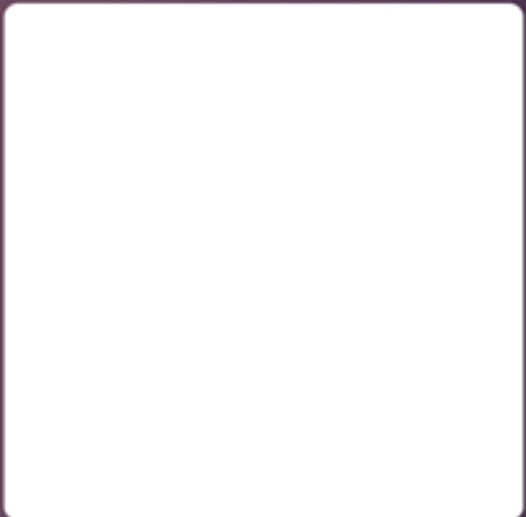

- The system is available 24/7.

Usability requirements:

- The system must guide the user by providing instructions.
- The system's buttons and elements should reflect the purpose of them.

Chapter Four: System Design

4.1 Detailed Interface Design

Element	Description
	Canvas is a white square space used to drag elements to it, the designer is able to change the canvas colour and background.
	Cloud speech instruction is displayed at the beginning when the designer opens the website.



Side menu tools is displayed whenever the designer clicks on the tool option, the menu displays the pieces of the jewellery and when the designer hovers on any piece a drop-down menu appears.

Chapter Five: Implementation

5.1 System Testing

The features of the website have been tested and recorded as a video, the video is showing a basic example of a user's journey, to watch the video click [here](#).

Chapter Six: Future work

6.1 List of Future Work

- Ability to view the jewellery with 360 degree.
- Add more jewellery types such as rings, earrings, anklets and watches.
- Enable user to export the canvas.
- Add authentication to the website.
- Allow user to draw over the canvas.
- Add tutorials about designing jewellery.

References

- [1] Design your own jewellery online [Online].
Available: <https://www.metalpressions.com/ojd-js.aspx> [Accessed August, 2020].