
Software Requirements Specification

for

<Art-Cart>

Version 1.0 approved

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Introduction

1.1 Purpose

This document describes the software requirements of the Art-Cart project. This document is prepared by following IEEE conventions for software requirement specification.

The main purpose of this project is to provide a platform for the customers to buy or learn how to make a art work product they liked.

1.2 Product Scope

The project Art-Cart is intended to encourage the imaginative minds or the art lovers to easily learn how to make the arts they loved by their own hands. This platform also helps the art makers to showcase and sell their hidden work online.

There are lots of art makers getting paid very less money for their wonderful works due to less number of art lovers around them. So, to increase their customers the art makers registers into the website. So, the number of art maker and the art lover users will surely increase within two years.

2. Overall Description

2.1 Product Perspective

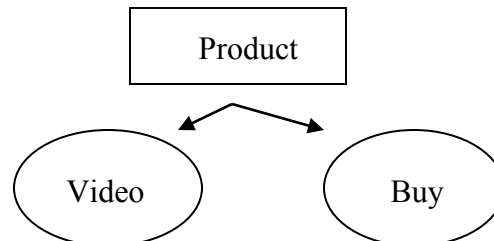
This project is eventually developed for those who are very anxious about learning arts and to increase the value of the art works made by the art makers.

Problem in existing System:

YouTube doesn't categorize the products efficiently and suggest the users the best videos for the product they needed. All the ecommerce websites doesn't focuses more on selling art works.

Solution for the problem:

In this project all the arts are categorized based on the type of the work and the user can immediately get the best video for the art work he liked.



2.2 Product Functions

This subsection deals with the main functions of the product. The Platform helps the customers to learn the art work they loved by providing them the all the items required to make the product. It allows all the art makers to upload their work images and videos to attract more number of customers. It also helps the customers to buy the product through online payments or COD system.

3. External Interface Requirements

3.1 User Interfaces

1. Displays all the types of art works available on the website.
2. Provides select option to select the specific categories.
3. Displays the image of the product, its costs and product description.
4. Shows videos related to the product .

4. System Features

This section deals with all functional features of the product.

4.1 User Registration:

Primary Actor: User

Overview: The User Registers into the system.

Main Flow:

1. The user views all the art work products, product description and user reviews in the website.
2. If the user wants to buy the product, he clicks on the “Buy” button and get redirected to a login/signup page.
3. If not registered, he is asked to signup or login with Facebook or Gmail.
4. If he chooses to signup, he fills the signup form and enters a valid email address.
5. To verify his Email a verification link is sent to his inbox.
6. Once registered, he can login into the system with that username and password.

Alternate Flow:

2. If the user wants to learn how to make the product, he clicks on “Video” button and get redirected to a login/signup page.
3. If registered already, he logs in directly to the system with his username and password.
4. If he chooses to sign in using Gmail or Facebook, he is redirected to a page requesting access to profile information, on accepting he can login to the system.

4.2 User Login:

Primary actor: User

Overview: The user logs into the system and his status is stored.

Main Flow:

1. The user logs into the system with the username and password.
2. He gets to choose the product he liked among all the products displayed and can view the product description and the user reviews.
3. He starts buying the product or listening to videos.
4. When he logs out, all of his progress is stored in his profile and he can retrieve that from the account whenever he wants.

REQ1: The System shall provide a User interface to view all the products, product description and the user reviews.

REQ2: The System shall provide a registration page.

REQ3: The System shall send a verification link to the user's email.

REQ4: The System shall also provide a login option through Facebook or Gmail.

REQ5: The System shall store the product details most visited by the users.

41.3 Selling Artwork:

Primary actor: Art makers.

Overview: Art makers can upload their artworks for sale and video related to that artwork.

Pre-Condition: Art maker logs into the website.

Main Flow:

1. Art maker selects the type of art work he wants to contribute to.
2. He can sell his artwork online.
3. He can also select the video recorder option to make a video of the process of making the art work and upload it.
4. He can check the number of orders in his profile page.

Alternate Flow:

1. If the type of art work is not listed, he can add it to the list.

REQ6: The platform will have all the artworks and the videos related to the products.

41.4 Suggesting the best video for similar products:

Primary actor: Admin.

Overview: Admin decides and suggests the users the best video for the similar products uploaded.

Pre-Condition: Art makers uploaded their product videos and price.

Main Flow:

1. Admin views the profile of the art makers (experiences, awards etc...) who uploaded same products.
2. He views the user reviews and rating for the products.
3. Based 1st and 2nd system information, he decides which product video is the best among all the similar product videos.
4. He suggests the user which video is preferable.

Alternate Flow:

1. If there are no similar products then selecting the best is not required.

REQ7: The Platform will display the videos based on rating.

41.5 Learning Videos:

Primary actor: Art Learners.

Overview: Users select the art work they liked and learn how to make it from videos.

Pre-Condition: Selects the final product from all the products.

Main Flow:

1. User selects the type of art work.
2. He browses through the products displayed and selects the one particular product.
3. He sees the video and learns how to make it , he can also buy the items required to make the art.
4. If he doesn't want to buy , he just goes through the video and exits.

Alternate Flow:

- 5.If he wants to buy the product, he is redirected to the payment page.

REQ8: Customers learn how to make the product.

41.6 Purchasing the product:

Primary actor: PayPal.

Overview: Allows users to buy products online.

Pre-Condition: The user selects the product and gives his delivery address.

Main Flow:

- 1.The user makes online payment through PayPal.
- 2.He gets confirmation mail about the product.
- 3.He gets the product delivered to his address within few days.

Alternate Flow:

- 1.The user can use COD option.

REQ9: Customer gets his final product delivered after the payment.

6. Non functional requirements:

1. Performance Requirements:

1. The Application uses AJAX to retrieve data from the databases so there is no need to reload webpage every time the user updates the database.
2. The Application must be able to store cookies to remember the user's login details or to prevent restarting the server if the browser crashes.
3. The Application should have the products sorted efficiently to increase the search speed.
4. Linking and creation of databases in MYSQL should done more effectively to increase the speed of the website.

2.Security :

1. The user's details are encrypted and stored in the cloud server to prevent any hacking attacks.
2. Password cracking, MYSQL injections, Access the back end information about the products are prevented.