3dPrintMTL

User Guide

Valentin Atanasov & Daniel Levitin

Contents

[Navigation 3](#_Toc152972643)

[Landing Page 3](#_Toc152972644)

[Home Page 4](#_Toc152972645)

[Profile Page 5](#_Toc152972646)

[Order Page 6](#_Toc152972647)

[Service Page 6](#_Toc152972648)

[Checkout Page 7](#_Toc152972649)

[Register Page 8](#_Toc152972650)

[Login & Logout 9](#_Toc152972651)

[Login Page 9](#_Toc152972652)

[Logout Button 10](#_Toc152972653)

[User Management & User Rights 10](#_Toc152972654)

[System Manager Page 10](#_Toc152972655)

[Database Summary 11](#_Toc152972656)

[Features Summary 12](#_Toc152972657)

# Navigation

## Landing Page

Upon arriving on our website, the user will be greeted with a ‘Welcome’ splash screen constiting of a vector image of a 3d model being printed. After clicking on the image, the splash screen will fade out and the ‘Home Page’ will be revealed.

A black and white photo of a welcome sign

Description automatically generated

## Home Page

On it, the user will be able to view the models[[1]](#footnote-1) which have been posted by our community. Each model features an image, as well as a description of the model. Tags which help identify the theme of the model are included as well as the name of the model’s creator. In addition, there is a button that sends the chosen template to the ‘Service’ Page for confirmation before checkout.

In addition, a navigation bar is included at the top of the page that includes buttons for the ‘Home’ page (currently selected), the ‘Service’ page, the ‘Login’ page, and the ‘Register’ page.

A screenshot of a video game

Description automatically generated

## Profile Page

After the user has logged in, the profile page will become accessible. It displays the user’s info and allows them to update their information accordingly. It will also allow the user to delete their account. Both actions will be executed after the user fills out a confirmation prompt with their password. In the case that our user has admin rights, the website will automatically detect that and display the ‘System Management’ page instead of the profile page.

A screenshot of a computer

Description automatically generated

## Order Page

The ‘Orders’ page can be reached from the ‘Profile’ page and allows the currently logged user to view his or her orders. Some important data will be included such as completion progress of the order, shipment status (if selected), as well as which model is part of the order.

[Screenshot to be added upon completed implementation]

## Service Page

The ‘Service’ page displays the specified model on the whole page and allows the user to view and post comments. However, a user can report comments and models themselves if they find them innapropriate. Since these reports will have to be reviewed by system administrators, they will first go through a rudimentary filter to make sure that they are not empty, giberrish or contain profanity. A ‘Purchase’ button will also be made available that will take the user to the ‘Checkout’ page where they will complete their purchase.

[Screenshot to be added upon completed implementation]

## Checkout Page

The checkout page containes three forms that are part of the purchase of any model. The first one is ‘Billing Info’ which confirms user info for shipping, as well as ‘Payment Method’ which ensures that the payment information is correct. Thirdly, a short ‘Order Summary’ is provided that briefly describes the model that will be purchased. Information includes an image of the model, its title, and the subtotal and total price after fees.

A screenshot of a computer

Description automatically generated

## Register Page

When the ‘Register’ page is selected, the user will be shown an extensive form where he or she would be able to write all the necessary information to be able to appreciate all the features of the website. Upon entering their information, the system will check if the username they picked is already taken, and display a pop-up, if necessary, with feedback on whether or not the username was valid.

A screenshot of a computer

Description automatically generated

# Login & Logout

## Login Page

When the ‘Login’ page is selected, the user will be shown a simple form where he or she would be able to write their username and password. The system will then query our database to determing whether the user exists. If not, then a pop-up message will be displayed showing an error message. However, if the information is validated, then the user’s username and password will be added to the SESSION superglobal variable and will persist across the website.

Once the login has been successful, the user will be taken back to the ‘Home’ page. The ‘Login’ and ‘Register’ buttons on the nav bar will also be replaced by ‘Profile’ and ‘Logout’.

A screenshot of a computer

Description automatically generated

## Logout Button

Once the logout button is clicked, the user session is cleared, and the website returns to its default state. The nav bar once again will display ‘Login’ and ‘Register’ instead of ‘Profile’ and ‘Logout’;



# User Management & User Rights

## System Manager Page

The ‘System Manager’ page provides a dashboard to administrators and allows them to perform various operations such as view and process reports, view and ban users, as well as granting user’s admin rights. They will also have the ability to manage models and remove ones that they find innapropriate.

[Screenshot to be added upon completed implementation]

Prototype version image included.

A screenshot of a computer

Description automatically generated

# Database Summary

A diagram of a computer

Description automatically generated

The central table in our database is ‘Users’ since most of our other tables need to be associated with a user in order to exist. For example, our comments, reports, and shipments must be created by a user. In addition, most of our tables have one primary and two foreign keys as they need to be associated with more than one table at a time. For instance, ‘Comments’ must be associated with both a user and a template.

# Features Summary

* Presentation -> Splash Screen.
* Navigation -> Nav Bar.
* Display all templates -> Home page.
* Display chosen model in more details -> Print Service page.
* Confirm purchase -> Checkout page.
* Delete and Update account info -> Profile page.
* Register user -> Register page.
* Login & Logout -> Login page and logout button.
* Ability for user to create and post templates -> Create template page.
* System management for administrators -> System Manager page.
* View current and past orders -> Orders page.

1. Named ‘Templates’ in our database. [↑](#footnote-ref-1)