

3D Model Binary Vision System

User Manual

Flap_Jacks

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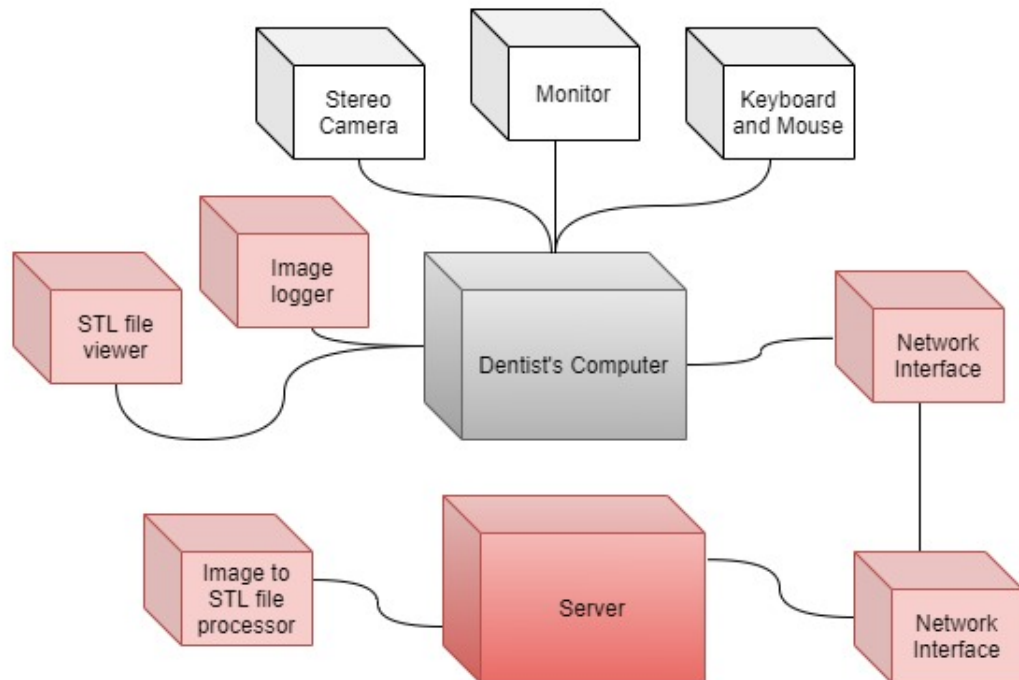
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1 Introduction

1.1 System Overview

This system is to be used by dental professionals as a way to easily store and keep track of their patients and patient's visits. For each patient, a data file can be uploaded to the program. From this file, a 3D image will be created and displayed on screen to the user.

1.2 Deployment Model



2 Installation

This program requires no installation for use as it is a web application. It is, however, required that you have a web browser installed, such as Google Chrome or Firefox. In order to use this system, go to the web address below.

<https://flapjacks.3dproject.com>
(This link is not yet active)

3 Getting Started

This section of the manual covers all of the instructions that pertain to visiting the website for the first time. Particularly, how to create an account, log into or out of the application, and what to do if you have forgotten your password.

3.1 Landing Page

Navigate to the link provided under Installation. This will direct you to the landing page, which gives a brief description of the system. This page gives the user the option to go to registration if they do not have an account, or to go to login, if they have an already existing account.



1. Click on 'Register' to be redirected to the registration page. This is where new users can register an account onto the system so that they can log in.
2. Click on 'Login' to be redirected to the login page. This is where returning users or people with an account can log into the system.

3.2 Login

This is the Login Page. This is where a user enters his/her details in order to log into the system.

1

2

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4

5

1. This is where the user will enter their Username.
2. This is where the user will enter their password.
3. This is the submit button. If the user has given valid login credentials, when this button is clicked, the user will be redirected to their account home page.
4. A user can click this when they have forgotten their password to their account. It will redirect the user to the Forgotten Password page.
5. If a user does not yet have an account, clicking here will redirect them to the Registration page, where they will be able to enter their details to create a new account.

3.3 Registration

This is the registration page. Here is where a user enters their personal details in order to create an account on the system.

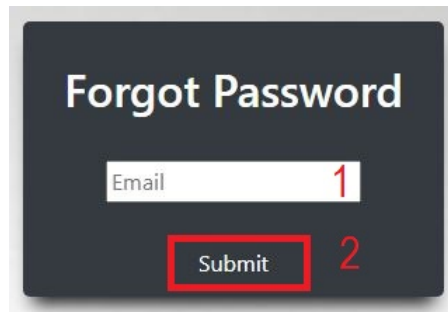
The image shows a registration form on a dark background. The form has the following elements:

- Registration**: Title of the form.
- Name**: Input field with a red number **1** to its right.
- Surname**: Input field with a red number **2** to its right.
- Email**: Input field with a red number **3** to its right.
- Username**: Input field with a red number **4** to its right.
- Password**: Input field with a red number **5** to its right.
- Submit**: Button with a red border and a red number **6** to its right.
- Already have an account**: Text label.
- Login Here**: Link with a red border and a red number **7** to its right.

1. User will enter their First Name(s) here.
2. User will enter their Last Name here.
3. User will enter a valid email address here.
4. User will enter the username that they will use to log into the system.
5. User will enter the password that they will use to log into the system.
6. When clicked, if the users information is valid, or the email address is not already registered on the system, then a new account will be created and the user will be redirected to the Login page.

3.4 Forgotten Password

This section will cover the process of recovering a lost password.

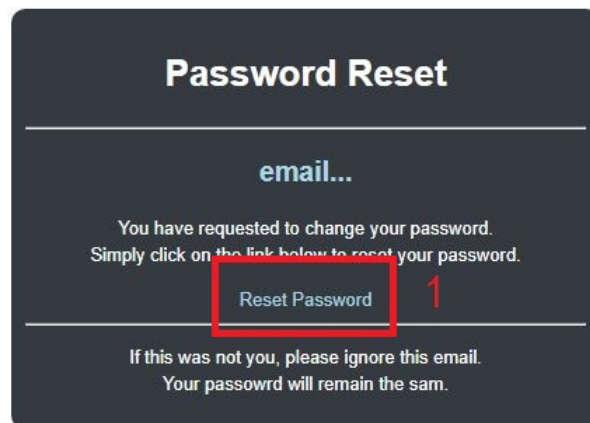
A dark-themed form titled "Forgot Password". It features a white input field labeled "Email" with a red number "1" to its right. Below the input field is a red-outlined button labeled "Submit" with a red number "2" to its right.

Forgot Password

Email 1

Submit 2

1. This is where the user will enter the email that they registered the account with.
2. When clicked, if the email address entered is on the system, an email will be sent to this email address.

A dark-themed email template titled "Password Reset". It includes a horizontal line, the text "email..." in blue, and a paragraph: "You have requested to change your password. Simply click on the link below to reset your password." Below this is a red-outlined button labeled "Reset Password" with a red number "1" to its right. Another horizontal line follows, and the email concludes with: "If this was not you, please ignore this email. Your password will remain the same."

Password Reset

email...

You have requested to change your password.
Simply click on the link below to reset your password.

Reset Password 1

If this was not you, please ignore this email.
Your password will remain the same.

1. This is the email that will be received. When this button is clicked, the user will be redirected to the Reset Password page.

The image shows a 'Reset Password' form on a dark background. It contains two text input fields and a button. The first input field is labeled 'New Password' and has a red number '1' to its right. The second input field is labeled 'Confirm New Password' and has a red number '2' to its right. Below these fields is a button labeled 'Confirm', which is highlighted with a red rectangular border and has a red number '3' to its right.

1. User must enter new desired password.
2. User must retype this password for confirmation.
3. When clicked, if the new password matches with the confirm password, the users new password will be saved to the system and the user will be redirected to the Login Page.

4 Using the System

This section of the manual covers all instructions that pertain to the actual use of the system. With particular reference to creating and editing patients, logging visits for a patient and viewing a patients records.

4.1 Patients

This is the Patients page. Here you will have the option to add a new patient, search for an existing patient, or view a patients visit history.



1. Click this button to open the Add Patient page.
2. Click this button to search for an existing patient.
3. Click this to be directed to the visit history of that specific patient.

4.2 Adding a new Patient

This page allows a user to enter a new patient's personal information and record it on the system.

A screenshot of a form titled 'Add A Patient'. The form has a dark background with white text. It contains five input fields: 'id number' (labeled 1), 'name' (labeled 2), 'surname' (labeled 3), 'email' (labeled 4), and 'gender' (labeled 5). Below these fields is a 'Submit' button (labeled 6).

1. Place to enter the patient's ID number.
2. Place to enter the patient's first name.
3. Place to enter the patient's last name.
4. Place to enter the patient's email address.
5. Place to enter the gender of the patient.
6. Click this button to add the new patient to the system and pair the patient with the doctor.

4.3 Searching for a Patient

#	Entry Date	ID	Surname	Gender	Log
1	01/02/2020	546725364	Devon	Male	link

1. Place to enter the ID number of the patient that the user is searching for.
2. Click this button to perform the search.
3. This button closes the find patient tab.

4.4 Logging a Patient Visit

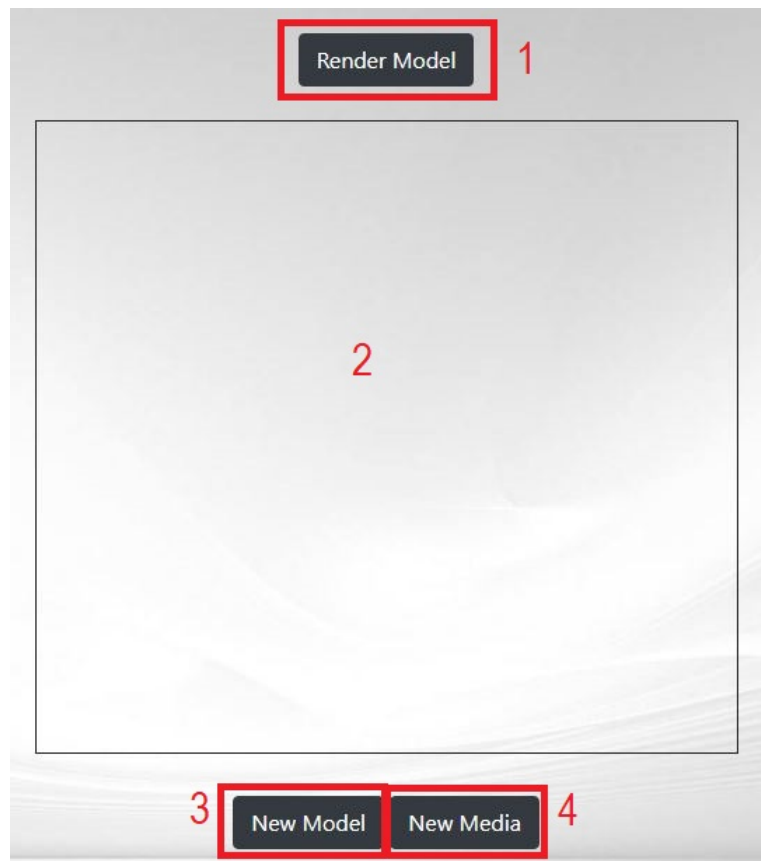
#	Date	Notes
1	546725364	

1. Click this button to open a new visit for a patient.
2. Click this button to be redirected to the 3D model page.
3. This is where the user can make notes about a patient's visit

4.5 Patient Model

This page is where the user can view a patients model, or upload new media to the application to be used for the model. The media can either be an mp4 file or an STL file. If the user does not have an mp4 file already, the application can record for them.

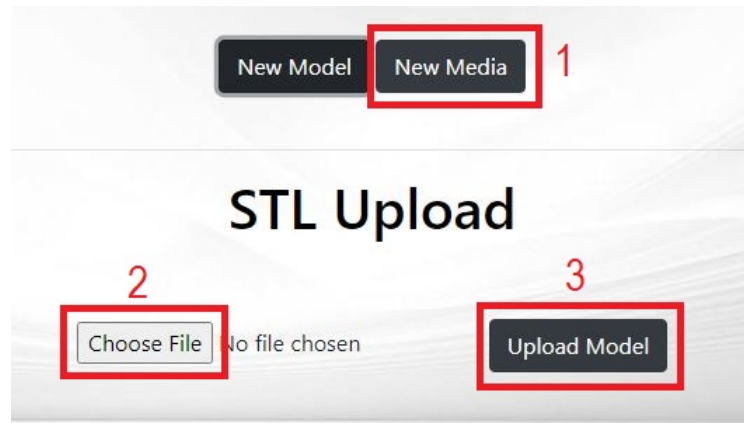
4.5.1 Viewing a Patients Model



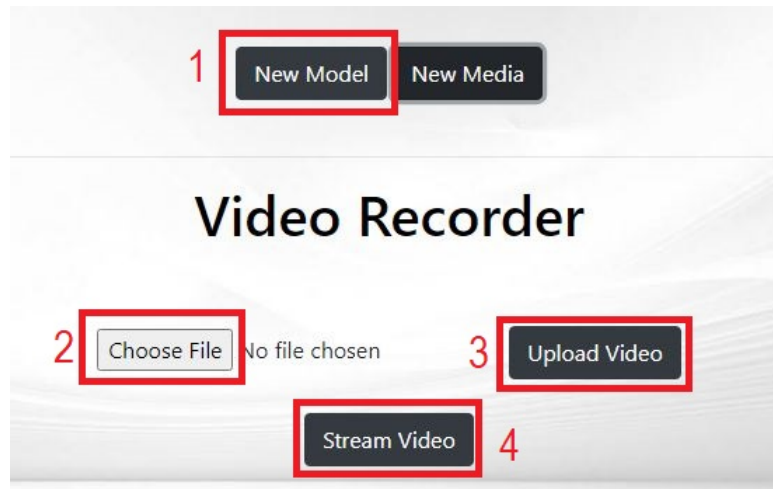
1. Click this button to load the 3D model that belongs to the patient.

2. This is the space that the 3D render will be displayed.
3. Click this button to open up the menu for uploading an STL file. Click it again to close this menu.
4. Click this button to open up the menu for uploading a media file. Click it again to close this menu.

4.5.2 New Media for a Model



1. This closes the STL upload menu and opens the video upload menu.
2. This opens the file browser, where the user can select an STL file.
3. Clicking this button uploads the STL file to the database on the server, where it can be used for the 3D rendering of the model.



1. This closes the media upload menu and opens the STL upload menu.
2. This opens the file browser, where the user can select a media file (mp4).
3. Clicking this button uploads the media file to the server, where it can be used by the mesh algorithm to create the 3D model render.
4. Click this button to open the built in video streamer that is provided by the application.