COMP3000 Computing Project

2021/2022

Project Title

Tattoo Management Application

Links

Source code: *https://github.com/DanTolman11/COMP3000-TattooManagementApplication*

Project Vision

The project, will be based around managing a tattooing business, therefore will have functionality to book in a client, keep a log of what equipment I have in stock, and provide an alert once stock gets low, while also displaying a gallery of my artwork to users who view the application. To help increase the security of the application there is to be a login system to help separate the administrative controls from the standard users functions.

The application will be for both myself (the artist) and for my clients, who will be wanting to look at my previous work and have the ability to create a booking with me. By using TatManager, which will be a web based application, they will be able to do all of the above, creating a smooth and eye catching GUI, while providing solid functionality.

Risk Plan

Although the application is rather straightforward, there are a few initial risks that come to mind. The major one is the security of personal information, when a user sends a booking request it will contain sensitive information which must be stored in a secure manner.
With the functionality of being able to upload images to the art gallery, there is the potential for images of little relevance or of malicious intend to be uploaded if there isn't something in place to avoid this and restrict who and how are able to do so.

Similar to the booking requests, storing all of the currently booked-in data, must be stored in a appropriate way in the database to avoid any leaks, e.g don't store passwords or personal information in plaintext

Proposed Gantt chart

- Create initial GUI
- Create navigation bar
- Create booking database
- Create functionality interface for booking

- Link booking interface to database
- Test booking interface hits the database
- Create response once booking is created
- Create way of viewing bookings
- /
- Create Credentials database/file
- Create login GUI
- Create Login functionality
- Create connection between login GUI & Credentials
- Test successful login
- Create changing GUI upon successful login
- /
- Create Stock GUI
- Create stock database
- Create functionality to stock (add, remove, edit functions)
- Test functionality and success of buttons
- Test updating to database from GUI
- Create alert when stock item low
- /
- Create art gallery GUI
- Create Upload function for GUI
- Create link between art gallery and database holding the photos
- Create display function for gallery which will showcase photos
- Create remove function for GUI
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Keywords

Provide keywords for your project to enable searching

Tattoo, Web Application, GoLang, ReactJS, Management, Booking, Database