**ARTYFY**

**Project Team - 5**

**COMP8117 Fall 2021**

**Sprint - 1 Report**

1. **Objectives of the sprint**

The objective of the sprint is to develop an authentic mobile application for all art lovers, art gallery owners, and artists. The application offers registration and login features and provides authorization access for the target users to the features which are available in the application. the objectives are as follows,

1. Learning Android

2. Analysis of database

3. User Login

4. User registration

5. Analysis of art recognition algorithm

1. **Tasks**

**Requirement Gathering Activities** -

* Met the Customer and asked for feedback. The customer provides the following feedbacks and advice,

The Customer feels good with the overall features of the application.

The Customer wants to include NFT as an art type in our application if feasible.

The Customer shows great interest in the art finder feature.

* **Scrum meetings**

Conducted the scrum meetings in the team to gather the requirements which are provided by the customer and discussed the progress and implementation throughout the sprint.

**Specifications** -

* Specify the user login and registration

**Introduction:**

Most of the applications require registration and logins to identify and classify the users. In our application, the target users classify as users, gallery owners, and artists to access their respective interfaces.

**Inputs:**

The input details of Users, Gallery owners and Artists who are required for registration are full name, mobile number, email-id, username, and password.

**Processing:**

In the process of registration, the details of users, gallery owners, and artists are going to be validated for contents in email-id which contains ‘@’ character and ends with ‘.com’, phone number which contains 10 numeric digits and password which contains numerical, capital letters, small letters, and special characters. After validation these details stores in the database. The user’s information that exists in the database is used for authentication purposes during logins.

**Output:**

The users, gallery owners, and artists will display the message whether they successfully registered to the application or not. The successful login redirects the users, gallery owners, and artists to their respective interfaces.

* **Specify data bases for the functionality**

We would like to create a database creation for user login and registration (including functionality) and we are also defining other tables required for the system.

* **Define the algorithm for the Art finder feature**

The practice of identifying and labeling groupings of pixels or vectors inside an image based on specified criteria is known as image classification. One or more spectral or textural features can be used to develop the classification rules. There are two types of categorization method which are supervised and unsupervised. ​The image recognition is the capacity of software to recognize objects, places, people, writing, and activities in pictures.

**Design** -

User Interface and Registration

The user interfaces for the Registration and logins feature Form-based based on log-in for registered users and Form based registration for new users. In the form-based registration the attributes are Full name, Mobile number, E-mail, Username and password.

**Mockups for user login and Registration**

A picture containing text, indoor, electronics, lined

Description automatically generated

Figure : UI Mock UP

**Implementation -**

* The user interfaces for login access will be implemented. The Respective login pages of Owner, User and, Artists are displayed once they access the system and provide their credentials that are required to get registered.
* The User interface for Registration will be implemented. To sign up, the fields like username, password, e-mail id, mobile number are required for the user, owner, and artists as required input.
* Implementation of data types and structure in the database. The registration details provides by users are stores in the database as the following datatypes,

Full name (String)

Phone number (Integer)

E-mail id (mail)

Password (String)

**Test –**

Tested based on the functionalities which the product meets its intended use and the needs of its users like validations like ‘@’ character should be included in the e-mail and the phone number should be equal to 10 numeric digits and password should include capital letters, small letters, numerical and followed by special characters.

1. **Provisional Planning of the Sprint**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Task** | **PSD** | **PED** | **Expected Duration** | **Expected Assignee** | **Dependent Tasks** | **Expected artifacts** |
| Meeting with customer | Oct 6 | Oct 6 | 1 h | Hardik |  | Meeting report |
| Learning android | Oct 4 | Oct 11 | 10 h | Deepak  Yuva  Bhargav  Pravallika  Nupur  Shruthi  Varun  Narayana | 52 |  |
| Analysis on database | Oct 11 | Oct 18 | 10 h | Shruthi  bhargav | 56 |  |
| User login | Oct 11 | Oct 18 | 10 h | Deepak  Nupur | 59 |  |
| User Registration | Oct 11 | Oct 18 | 10 h | Varun  Yuva | 58 |  |
| Analysis of art recognition algorithm | Oct 11 | Oct 18 | 10 h | Naryana | 65 |  |

1. **Effective Planning**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Real Tasks** | **Related Tasks** | **ESD** | **EED** | **Effective Duration** | **Effective Assignee** | **Dependent Tasks** | **Produced artifacts** |
| Meeting with customer |  | Oct 6 | Oct 6 | 1 h | Hardik |  | Meeting report |
| Learning android | Learning android | Oct 4 | Oct 11 | 10 h | Deepak  Yuva  Bhargav  Pravallika  Nupur  Shruthi  Varun  Narayana | 52 |  |
| Analysis on database | 1.Database creation  2.Analysis on database | Oct 11 | Oct 18 | 10 h | Shruthi  bhargav | 56 |  |
| User login | 1.User login UI  2.User login backend | Oct 11 | Oct 18 | 10 h | Deepak  Nupur | 59 |  |
| User Registration | 1.User Registration UI  2.User Registration backend | Oct 11 | Oct 18 | 10 h | Varun  Yuva | 58 |  |
| Analysis of art recognition algorithm | 1.Image recognition  2.Image analysis and classification. | Oct 11 | Oct 18 | 10 h | Naryana | 65 |  |

\*\*h : hours

1. **Review**

* The project frontend and backend setups has been completed along with the database connections and integrations.
* The user login and registration interfaces has been implemented with all the validations.
* We have tested each feature according to its implementation and functionality.
* We could able to perform all the tasks and implement all the features in the sprint-1 according to the functionality successfully.

1. **Retrospective**

* We organised scrum meetings with all the team members based on their avilability and commuicated regarding our individual contribution and their respective tasks.
* Initially we faced timezone differences with in the team and hopefully it will solve going forward.
* Based on the customer inputs and suggestions we implemented the features and their functionalities accordingly.
* Tasks allocation and time loggings was done in Jira.
* As we focused more on the implementation in this sprint, we will also give more preferences towards the documentation such as sprint report, presentation to the customer and other required documents along with the implentation.