

Art Community Platform

With the pandemic, virtual museums, and art galleries have become prevalent worldwide. People can partake in cultural activities by virtually visiting such places.

In this project, an online art gallery with community platform is aimed which is motivated by providing both collaborative and single user activity. The platform itself is run by the content creators who are the users. In this project, users can share their art items, comment & discuss about art items, and make exhibitions solo or collaboratively. This platform shall protect the art items by issuing copyrights on demand. In discussion forums, people discuss about art. In order to make this forum convenient; text used in titles and the body of the entries can be searchable semantically. Thus, the application should allow semantic search which provides/recommends any semantically related context based on the provided semantic tags.

In this project, users will have levels based on their interaction with the platform, and their popularity. The interaction will be measured by the number of comments/shares on the platform, and the popularity will be measured by the number of followers, copyrighted items, and art exhibitions. If the artist claim for verified account, the system should verify them based on its artistic values that contribute to the platform. As a bonus, the platform shall offer a bidding system for the copyrighted artworks by the demand of the owner, and thus, artists can sell their items via this platform.

The platform should also track users' activities, and based on the history, the platform may recommend similar artworks or artists of the users' interests.

In addition to online galleries, artists can also open physical exhibitions, and notify its followers via this platform as an event. People can attend these exhibitions, and mark their geographic locations via the platform using geotagging [3]. The platform should recommend any other events of the users' interests based on their geotag history.

This project is mainly a web application with necessary API implementations for the front-ends. Additionally, this project requires a native Android application that supports the same functionalities. The native Android application should be designed user-friendly that keep the mobile users active on mobile as well.

Users should be able to annotate some context (text or image annotation) to clarify any points or to bookmark. These links may be to semantic resources which provide detailed information related to the resource. Users will be able to annotate content on the platform with text or images. The text may be a URI in which case it should serve as a hyperlink. These links may be to semantic resources which provide detailed information related to the resource.

Annotations must comply with the W3C Web Annotation Data Model [1] and follow W3C standards [2].

Ethical concerns must be considered, such as protection of personal information, contact information, adherence to copyrights, licensing considerations. You must follow the rules defined by GDPR/KVKK while implementing the project.

References: [1] [W3C Web Annotation Data Model](#) [2] [W3C Standards](#) [3] [W3C GeoInfo](#)