

FINAL PROJECT

TECHNICAL IMPLEMENTATION PLAN

Artsy

Group Members:

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What is Artsy?

I find it impossible to have the right background for my video meetings, some are too loud some are too plain, and often just unkept. Artsy provides you with an enormous library of photos and background to meet every kind of meeting: casual meetups, business meetings or birthdays whatever you wish. Artsy is a platform where any user can share their photos with the rest of the world and any user can use them. If you have that one in a million shot... your photo could be at the top of the like charts. Although we do not believe in competition among our users, a few likes can make anyone's day.

Features –

- Picture Category – View Pictures by categories
- Upload a new picture – User can upload a new picture through their account
- Search a picture – Search by keyword
- Download a picture – Download a picture into local storage
- Likes and Dislike – Users can give a like or dislike to a picture
- Comment – Users can comment on a picture

Course Technologies:

- **React** - We will use React as the front-end framework for the single page application.
- **Firestore Auth** - Firebase authentication will be used to authorize users for us website. It will include login/signup by email id, Google, and Facebook.
- **TypeScript** – Improve our code as TypeScript suggests the code and Highlight the errors as early as possible. TypeScript helps developers to understand each other's code easily.

Independent Technologies:

- **AWS** – AWS can be used to build, run, and operate applications entirely on the cloud.
- **ImageMagick** - ImageMagick is a library used for implementing image manipulation. It will be used to edit the images that the user uploads to the website.

GitHub Repo - https://github.com/dhrupatel97/CS554_Project