SketchDaily.club

Project Proposal

I want to build a web application that helps art students to regularly practice their drawing skills.

Every day the students receive a new drawing task - they need to create a sketch or design based on a particular subject. They can share their sketches, gain inspiration from each other, and see how the other artists are approaching a similar creative challenge. This will give people the motivation to draw more regularly, and develop their skills faster.

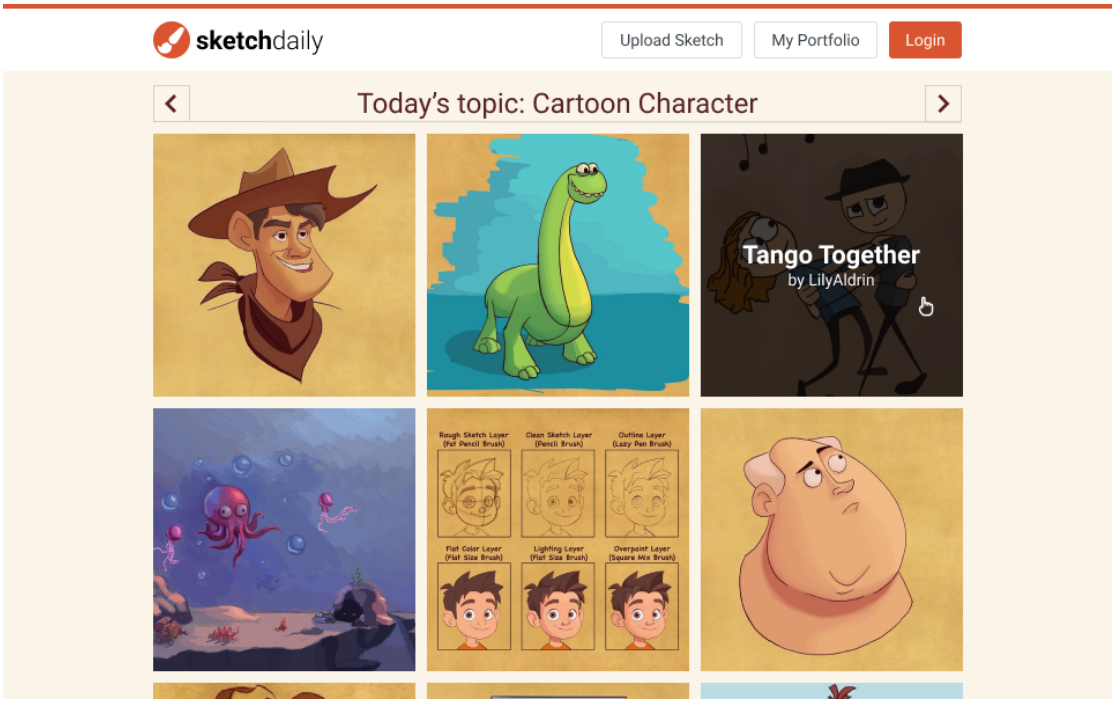
The students will be able to create an account using the authentication system, and upload their artworks using a secure and scalable image upload system. The artworks are organized by topic, enabling people to browse the sketches made on any particular subject. Each student has a portfolio page showcasing their artworks, where they can easily see the progress they're making.

The aim of this project is to explore the ways of using the latest web development technologies in order to to create a fast, interactive, and scalable online application that can support many users:

- It will use GraphQL and Apollo to create a very performant API.
- It will use Prisma, Nexus, and TypeScript to ensure end-to-end type-safety.
- It will use Next.js to achieve server-side-rendering of an interactive React app (making it more performant for the users and more discoverable by the search engines).
- It will use AWS S3 and pre-signed urls to achieve very secure, scalable, and inexpensive image uploads.
- It will use Vercel to ensure scalability (and inexpensive hosting) on the front end.
- It will have beautiful, elegant, and minimalistic design (inspired by Product Hunt), which will enable me to explore the modern graphic design toolset (Figma and Affinity Designer) and improve my UI/UX design skills.

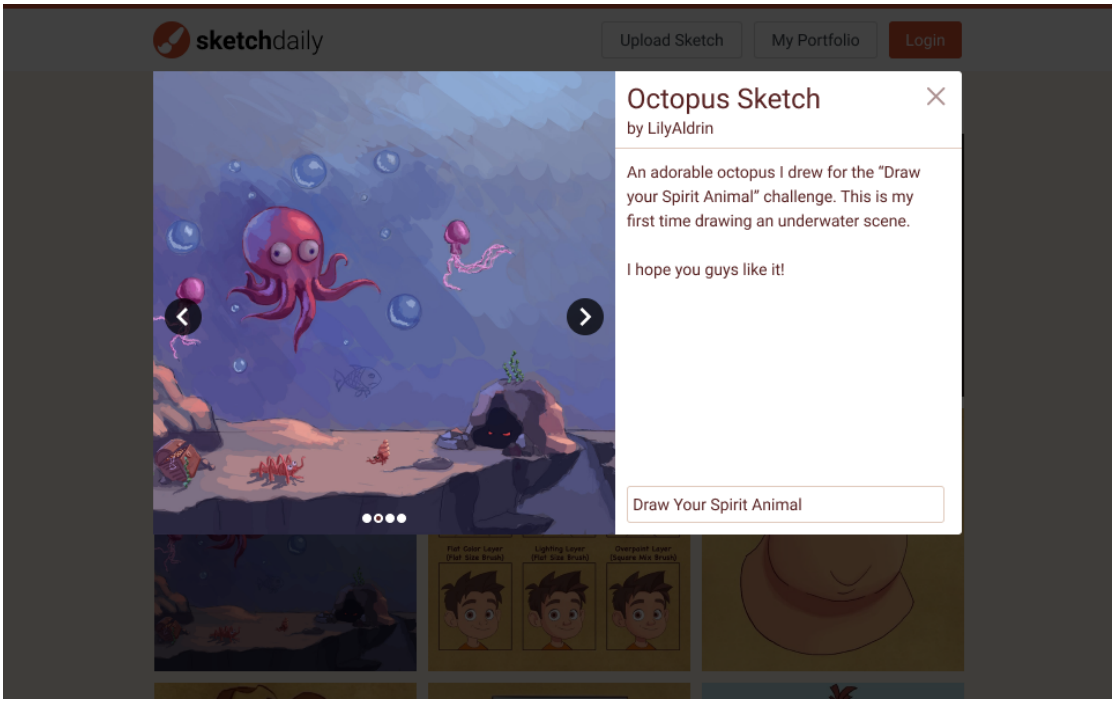
Functionality and Design

Browse Sketches



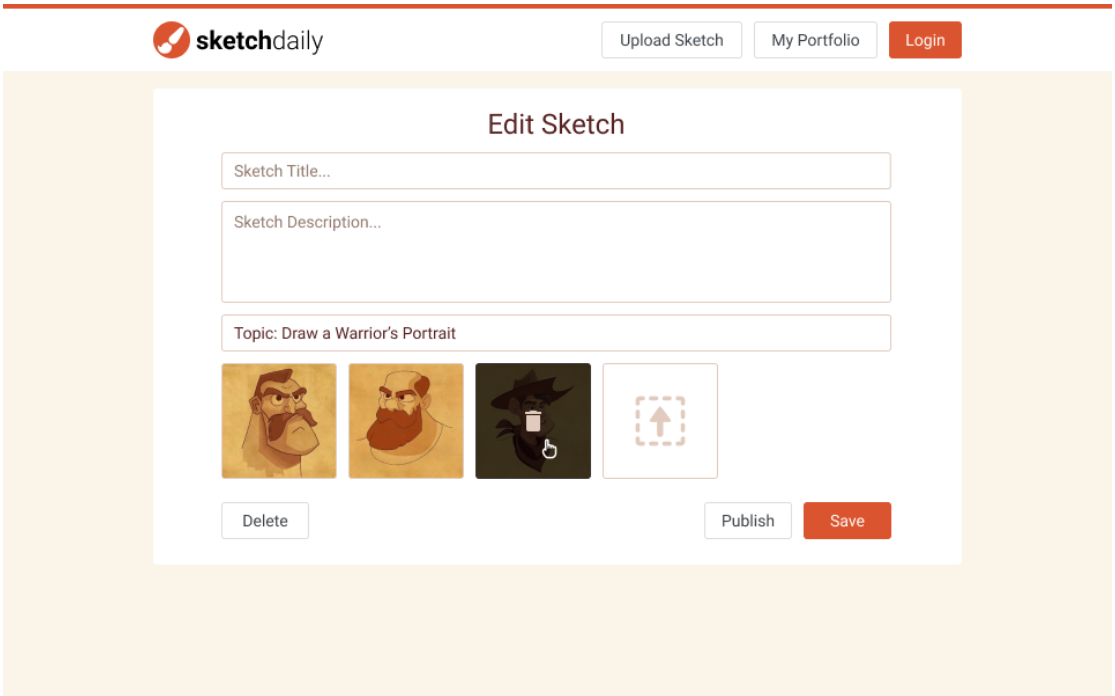
- A grid of sketches submitted to today's competition.
- Challenges navigation buttons - view the previous or next challenge.
- Search sketches/challenges.

View Sketch



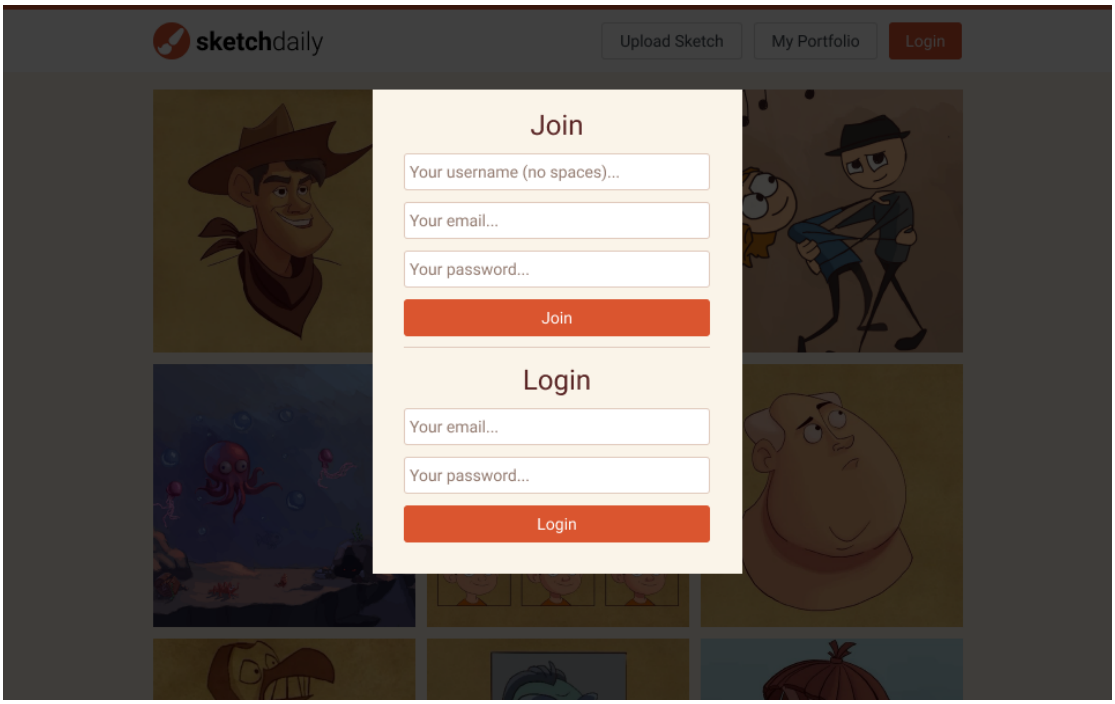
- View sketch images (image gallery)
- Sketch information - title, author, description, topic.

Edit Sketch



- A page where you can upload a new sketch, or edit an existing one.
- Sketch title, description, topic.
- Upload/delete images.
- Public/Draft toggle, Save Sketch, Delete Sketch.

Auth System



- Signup/Login modal.
- Email/Password.
- Google auth.
- Recover Password.