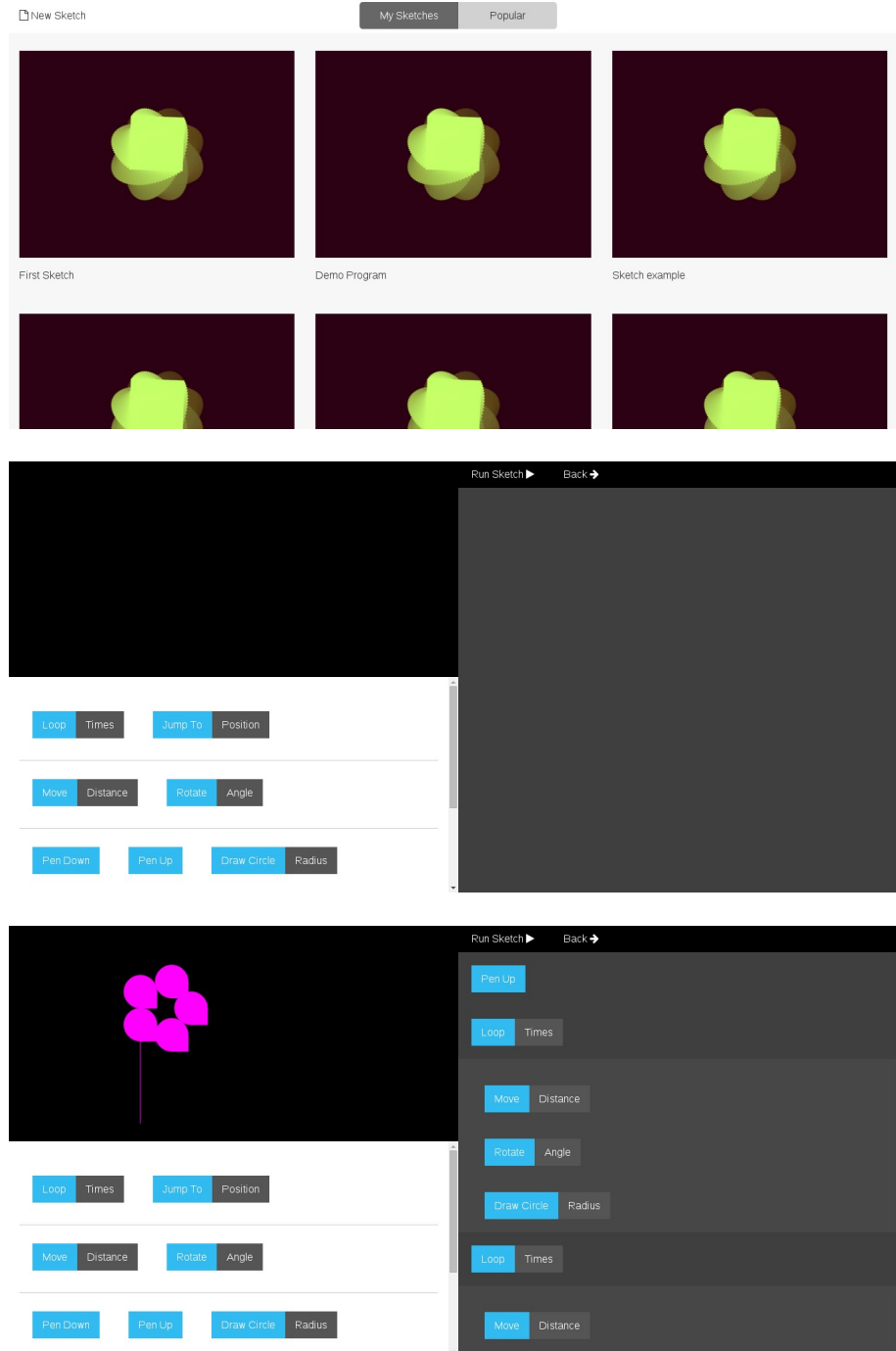


Front End



System Architecture.

- Hosted on heroku.
- Logical teir is nodejs.
- Data teir is Postgres.
- Preview images stored on s3

Scalability.

- Stateless protocol.
- Client side computation.
 - Images are encoded on the client side.
- Caching.
 - User sketches are stored locally.

Security.

- Sql text Input presented to Postgres is parametrised to sanitise and avoid sql injection.
- Escaping on the client side to avoid XSS.

We have identified the need to provide authentication of devices to prevent unauthorised access to user data.

Potential vulnerabilitys

- Issues with binary blob.

Reliability.

- Running on Heroku.
- Testing
- Strategies for dealing with DOS
 - Rate limiting?
 - Data constraints?

Privacy.

We have opted to store no personal information.

Testing.