Coding Fest 2024

USurveYD

Project ID: P12

UG Junior

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Project Description

The valuable research conducted by students and faculty at the University of Sydney is often reliant on data obtained through surveys. Unfortunately, the target audience is often difficult to reach, and surveys offer little incentive to surveyees. The university offers a large and diverse demographic on which valuable data could be collected, and our new web application, USurveYD makes this possible. Surveys are recommended to accounts based on suitability and accounts will be rewarded with points for each survey that they complete, which can be exchanged for discounts and freebies at USU events. Surveys can be sourced as verified links from other survey platforms, or more conveniently, built on-site with a state-of-the-art survey builder. A survey creator must fill out others' surveys in order for the site to promote their survey to the widest audience. Surveys creators will have the option to restrict who can take their surveys (e.g. students/lecturers) and may, with the surveyee's permission, access data such as degree, year level, and Australian citizenship status, for more in-depth analysis. By providing a safe, efficient, and rewarding platform for surveyors and surveyees, USurveYD will empower research throughout USYD.

Project Solution & Results

* Indicates required question

What does USurveYD do? *

- ◯ Gives surveyors access to a large demographic of surveyees.
- ◯ Provides surveyees with substantial USU rewards.
- ◯ Recommends surveys to specific user demographics, increasing data relevance and quality.
- ⦿ All of the above

Who is it for? *

- ☑ USYD Students
- ☑ USYD Academics
- ☑ USYD Staffs
- ☒ Malicious Agents

How does USurveYD work? *

Sign up & Log in with your USYD account
- All users have to sign in using their **university email**. This **guarantees** that only USYD personnel are on the website.

View USYD surveys
- View surveys and filter according to **tags** including courses, demographic, and more!

Post surveys
- Post your 3rd party survey links (e.g. Google Forms, etc).
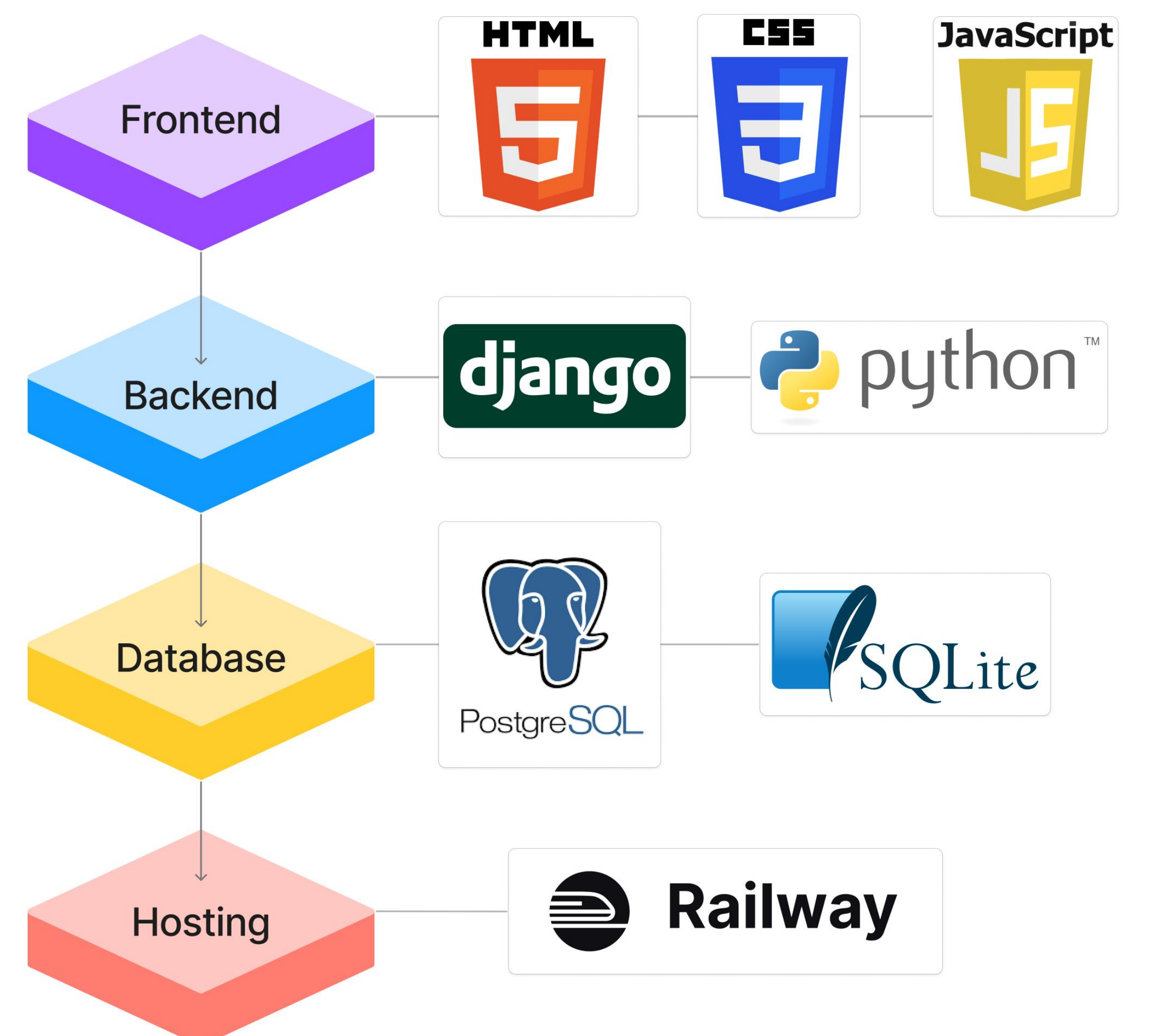- Create your own custom survey with our **built-in editor**.

Fill in surveys & earn rewards
- Already completed surveys are marked with a tick.
- **Earn points** for completing custom surveys.
- Exchange points for **exciting rewards!**

Submit

Q: What Tech Stack does USurveYD use?

A:

Frontend — HTML, CSS, JavaScript

Backend — django, python

Database — PostgreSQL, SQLite

Hosting — Railway

Q: How does USurveYD manage data?

A: Our survey application utilises a relational database hosted on a separate server to store account information, and the surveys themselves, their questions, and their answers. The /admin URL extension takes privileged users to a GUI in which they can view and modify the tables in the database. Passwords are encrypted with a SHA256 hash, and forms are protected against SQL injection and cross-site request forgery.

Q: Nice, so where can I see the prototype?

A: Scan the QR code on right to access the prototype deployed on Railway!