



The Purple People Eatery

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CSE 403 Project Proposal

History

Date	Author	Comment
08/29/12	Wayne Yamamoto	Initial draft
08/31/12	Wayne Yamamoto	Added risk factors
09/17/12	Wayne Yamamoto	Small grammar fix ups

Vision

The Purple People Eatery is a website that helps employers find technical talent (future employees) at the University of Washington. The Purple People Eatery (the "Eatery") is an *exchange* allowing students to promote their desire to find a technical

job and allowing employers to find them. (See the accompanying slide presentation for an overview.)

Companies are in desperate need for technical talent. Students with technical skills want to find jobs. However, knowing they want to find new graduates, companies can't find new graduate talent. LinkedIn might work well in general, but it doesn't focus narrowly on new graduates. Universities and departments within universities all most always provide some facilities for students to make their availability for work known. However, the procedures from university to university and department to department that allow employers to find them vary greatly. The Eatery is a "one stop place" to find technical talent.

While we initially scope this project to be for University of Washington students with technical capabilities (especially those in the UW CSE department), our longer term vision is to allow other universities and other non-technical students to participate as well.

(We call this project the "Eatery" because ["Software Is Eating the World."](#))

Minimum Viable Product

Students using this website are required to register and log in. When they register, they are given the capability to upload a pdf file that comprises their resume. They may provide additional *formatted* information using a *markdown editor*. Once the resume is uploaded and the additional information is created pair of pages become publicly visible on the open web. Collectively, the resume and information is called a *dossier*.

Once created, students may edit their dossiers (using the markdown editor or uploading a new pdf resume).

A directory displaying the name of all the students allows visitors on the site to find dossiers.

Future Enhancements

We believe we can implement more the Minimum Viable Product in a quarter's time. Here are some features we consider:

- Search capabilities to find dossiers
- Adsense advertising, analytics, system monitoring
- Donation request (to the UW) for employers that are browsing or charge employers to use service

- Employer registration and login
- Dossier management for Employers
- Extend to non-technical dossiers and other Universities

More detailed requirements to follow.

Technology Stack

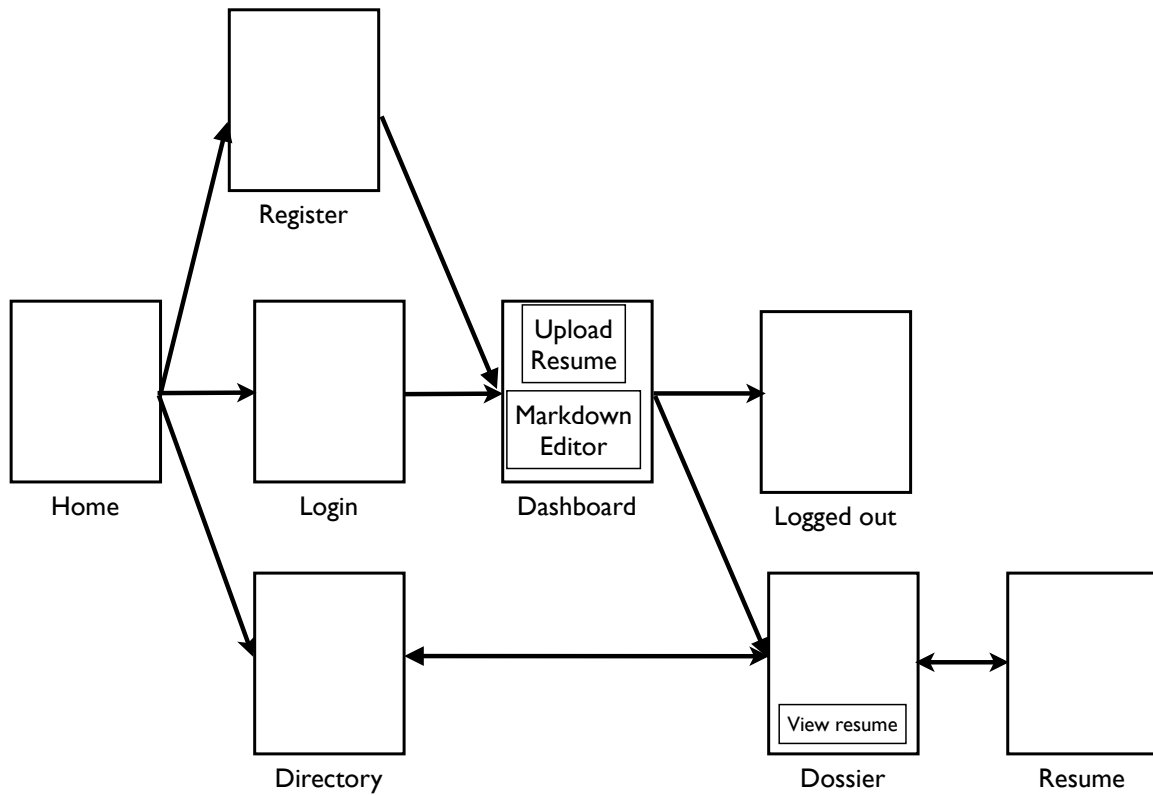
I propose that we use Python as our programming language, Django as our application framework, and Postgres as our data store technology. These are well known, stable, and proven components for deploying this type of webapp. We have some experience deploying on this stack as well

Risk Factors

No a priori knowledge if anyone on the team will have Python/Django/RDBMS experience. So, maybe this is the wrong stack. So, we remain open to changing the stack decisions.

Is being too “web centric” and not “mobile centric” an issue? Perhaps we don’t have a good enough understanding of the employer’s use of mobile technology.

Basic Application Flow



Note we've elided some pages and transitions in the flow for brevity sake. (e.g. the login process might have a password recovery flow, you should be able to login/logout from any page, etc.)