Application Organizer Final Documentation

Raymond Feckoury, Het Patel,
Ashwin Nayak, Sunny Shah

May 4, 2022

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1   Project Summary

This website serves as a tool to help people track their job or internship applications. The site contains a page to track completed applications, applications they would like to apply to, upcoming interviews, pending offers, and rejections. Users can move applications from the completed page to the rejections or offers page, and each page has the option to add more applications.

# 2   Division of Work

Programming

Task	PHP/MySQL	HTML	CSS/Bootstrap	JavaScript/Input Validation
Home Pages	-	Ashwin, Sunny	Ashwin, Sunny	-
Login	Raymond, Het	Ashwin	Ashwin	Raymond, Het
Forgot Password	Raymond	Raymond	Raymond	Raymond
Create Account	Raymond, Het	Ashwin	Ashwin	Raymond
Completed Applications	Raymond	Raymond	Raymond	Raymond
Add Application	Raymond	Raymond	Raymond/Ashwin	Raymond
Saved Applications	Raymond	Raymond	Raymond	Raymond
Save New Application	Raymond	Raymond	Raymond/Ashwin	Raymond
Upcoming Interview	Raymond	Raymond	Raymond	Raymond
Add New Upcoming Interview	Raymond	Raymond	Raymond/Ashwin	Raymond

Offers	Raymond/Het	Raymond/Het	Raymond	Raymond
Add a New Offer	Raymond	Raymond	Raymond	Raymond
Rejections	Raymond,Het	Raymond,Het	Raymond	Raymond
Reset Page	Het	Het	Het	Het

Documentation

Documentation Item	Creator(s)
Project Summary	Raymond
Division of Work	Raymond
Use Case Diagram	Raymond
ER-Diagram	Raymond
Navigational Chart	Raymond
CRUD Matrix	Het Patel
Table Creation Statements	Het Patel
Lessons Learned	Everyone
Major Problem Summary	Raymond, Ashwin

3 Use-Case Diagram
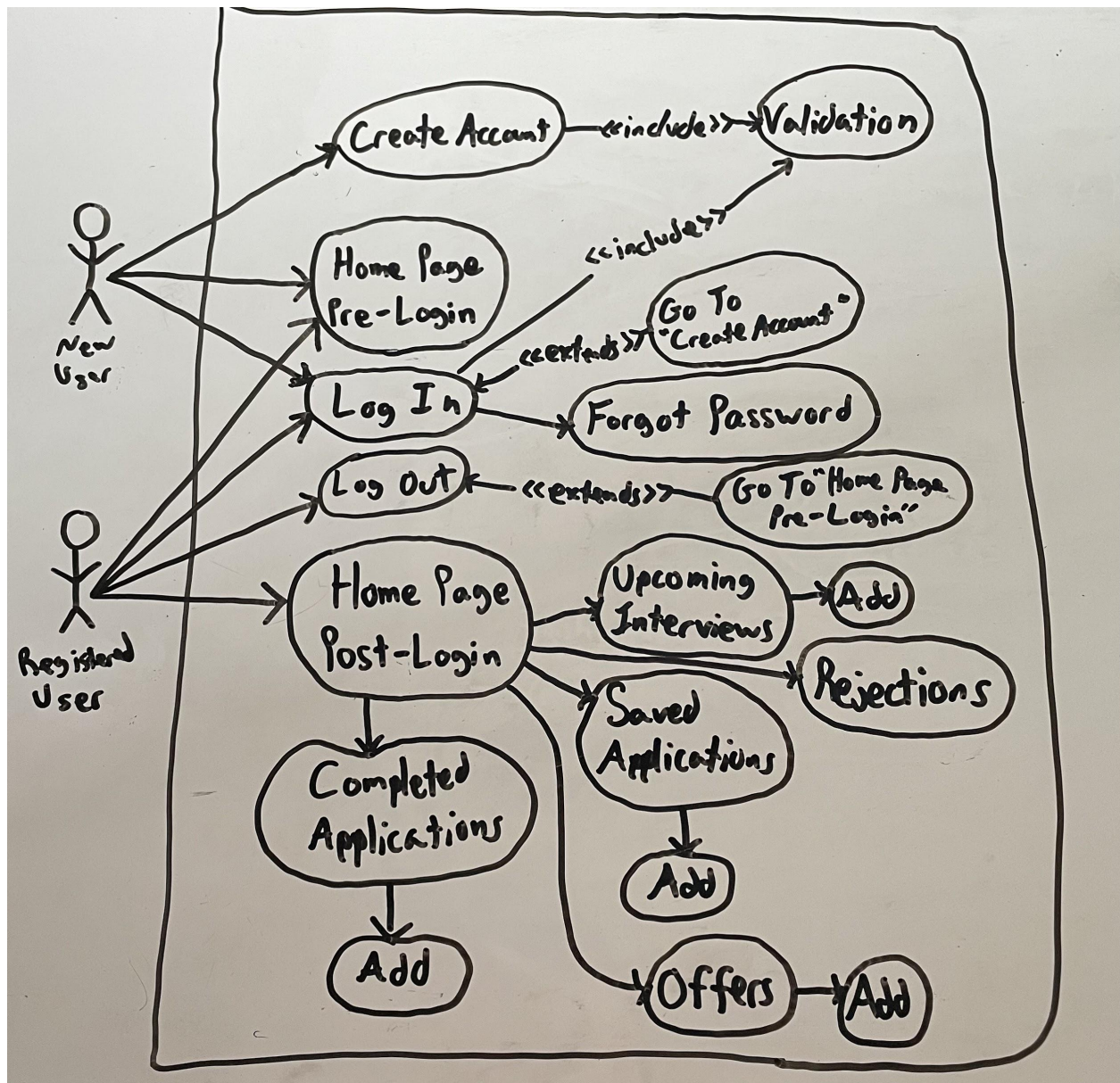
4   ER-Diagram
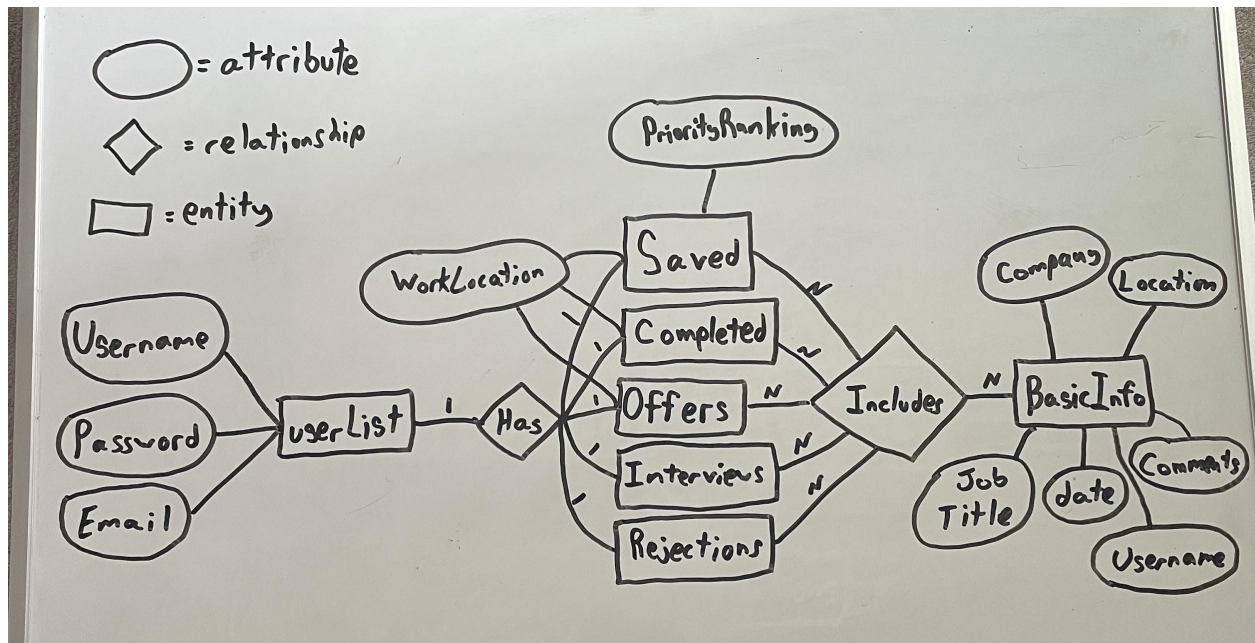
5   Navigational Chart
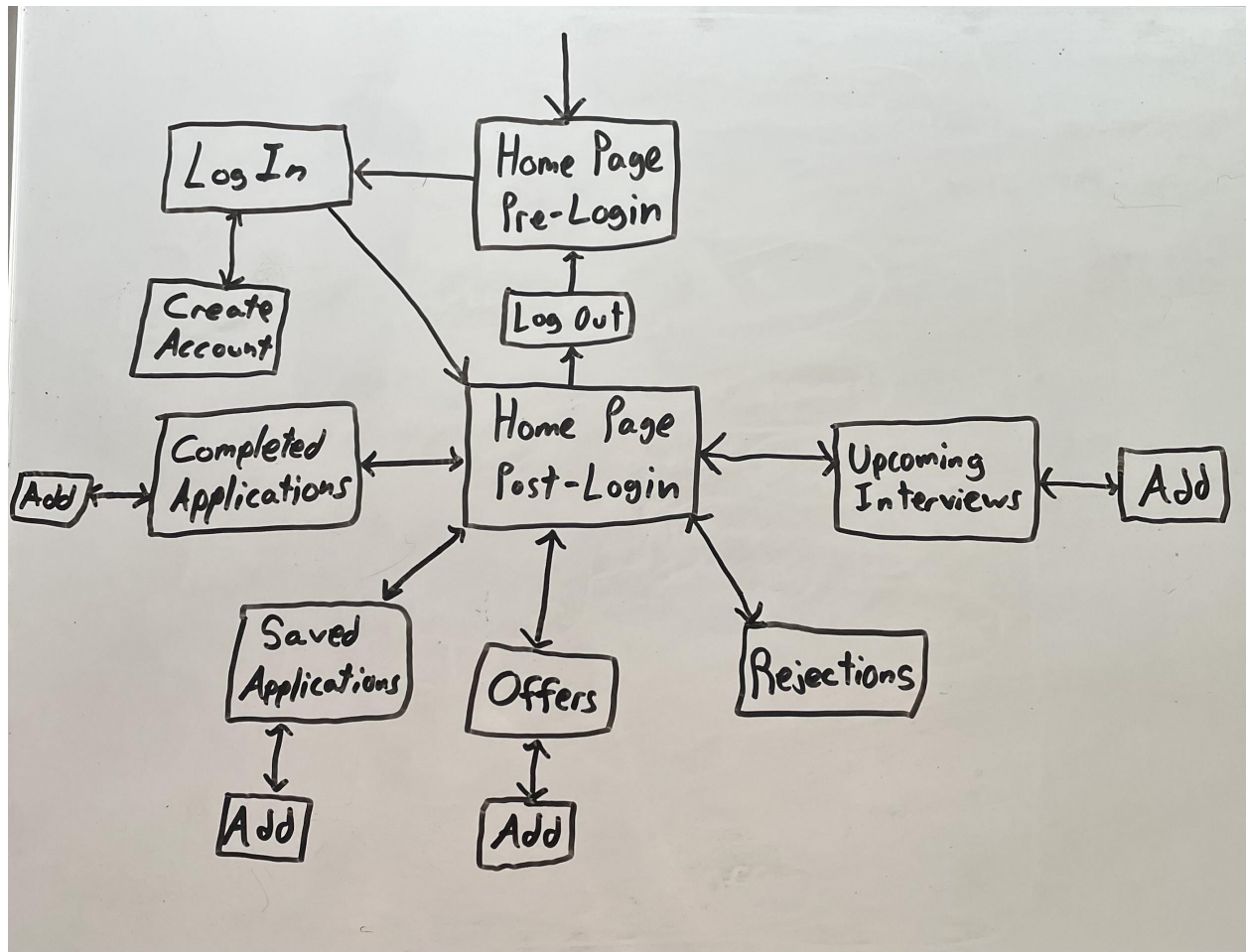
6   CRUD Matrix

	User Account	Completed	Offers	rejections	saved	interviews
Log in	R					
Create Account	CR					
Completed Application	R	CRD	C	C		
Saved Application	R				CRD	
Interviews						CRD
Reset Password	U					

7   Table Creation Statements

Database Creation

In order to properly set up Application Organizer for use with your local database, begin by creating a database named ==applicationOrganizer== in phpmyadmin

Table Creation

1. You can then create the tables in the *applicationOrganizer* database using these SQL commands

```sql
CREATE TABLE `userlist` (
 `username` varchar(100) NOT NULL,
 `password` varchar(100) NOT NULL,
 `email` varchar(100) NOT NULL,
 `reset_token` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```sql
CREATE TABLE `saved` (
 `priority` int(11) NOT NULL,
 `company` text NOT NULL,
 `location` text NOT NULL,
 `jobTitle` text NOT NULL,
 `date` text NOT NULL,
 `workLocation` text NOT NULL,
 `comments` text NOT NULL,
 `username` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```sql
CREATE TABLE `rejections` (
 `company` text NOT NULL,
 `location` text NOT NULL,
 `jobTitle` text NOT NULL,
 `date` date NOT NULL,
 `comments` text NOT NULL,
 `username` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```sql
CREATE TABLE `offers` (
 `company` varchar(255) NOT NULL,
 `location` varchar(255) NOT NULL,
 `jobTitle` varchar(255) NOT NULL,
 `date` varchar(255) NOT NULL,
 `workLocation` text NOT NULL,
 `comments` varchar(255) NOT NULL,
 `username` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```sql
CREATE TABLE `interviews` (
 `company` varchar(255) NOT NULL,
 `location` varchar(255) NOT NULL,
 `jobTitle` varchar(255) NOT NULL,
```

```
`date` varchar(100) NOT NULL,
`comments` varchar(255) NOT NULL,
`username` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
CREATE TABLE `completed` (
`company` varchar(255) NOT NULL,
`location` varchar(255) NOT NULL,
`jobTitle` varchar(255) NOT NULL,
`date` varchar(255) NOT NULL,
`workLocation` text NOT NULL,
`comments` varchar(255) NOT NULL,
`username` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

Table Seeding

2. Finally, to initialize the tables with some sample data please insert the following commands:

```
INSERT INTO `completed` (`company`, `location`, `jobTitle`, `date`, `workLocation`,
`comments`, `username`) VALUES
('NCR', 'Atlanta', 'SWE Intern', '2022-03-23', 'in-person', 'Really cool people.',
'user1'),
('Microsoft', 'Atlanta', 'SWE', '2022-04-15', 'remote', 'Apparently they have a really
cool office here in ATL.', 'user1'),
('Google', 'Atlanta', 'SWE', '2022-03-26', 'unclear', 'Everyone is applying here
haha.', 'user1'),
('CGI', 'Atlanta', 'SWE', '2022-04-23', 'hybrid', 'Seems like a good place to work ',
'user1'),
('Amazon', 'Seattle', 'SWE', '2022-04-10', 'unclear', 'Leetcode  ', 'user1'),
('Meta', 'Cali', 'SWE', '2022-04-12', 'in-person', 'stock is tanking ', 'user1'),
('Meta', 'Seattle', 'swe', '2022-05-01', 'remote', 'this is a comment.', 'user1'),
('Startup 1', 'SF', 'SWE', '2022-04-17', 'in-person', 'Cool startup.', 'user1'),
('Startup 2', 'SF', 'SWE', '2022-04-17', 'in-person', 'Another cool startup',
'user1'),
('Startup 1', 'ATL', 'SWE', '2022-04-23', 'in-person', 'Another location for the cool
startup', 'user1'),
('BigCommerce', 'Tenessee', 'Full Stack Engineer', '2022-03-17', 'remote',
'Revolutionizing commerce', 'user1'),
```

```
('Alfred', 'New York', 'Front end engineer', '2022-03-24', 'in-person', 'Real Estate
company.', 'user1'),
('Ascent', 'Chicago', 'SWE', '2022-04-18', 'hybrid', 'Fintech company', 'user1'),
('Dandy', 'New York', 'Data Analysis', '2022-04-22', 'unclear', 'Health tech company,
cool stuff', 'user1'),
('Workiva', 'Florida', 'SWE', '2022-04-23', 'in-person', 'Cloud software company',
'user1'),
('NCR', 'Atlanta', 'SWE', '2022-03-17', 'hybrid', 'Met them at a hackathon', 'user2'),
('CNA', 'Chicago', 'SWE', '2022-03-10', 'remote', 'Insurance company', 'user2'),
('8fig', 'Austin', 'SWE', '2022-03-18', 'in-person', 'Ecommerce company.', 'user2'),
('Striveworks', 'Austin', 'SWE', '2022-03-23', 'in-person', 'AI company', 'user2'),
('Vouch Insurance', 'Chicago', 'SWE', '2022-05-01', 'hybrid', 'Business insurance
company', 'user2'),
('Yotpo', 'North Carolina', 'SWE', '2022-03-25', 'unclear', 'Marketing tech company',
'user2'),
('Benchling', 'San Francisco', 'SWE', '2022-03-26', 'in-person', 'Healthcare tech
company', 'user2'),
('NCR', 'Overseas', 'SWE', '2022-03-23', 'remote', 'Foreign language requirement might
finally come in handy.', 'user1'),
('AccuWeather', 'Kentucky', 'Data Scientist', '2022-04-20', 'in-person', 'Would be
cool to work with weather data.', 'user1'),
('Talkiatry', 'Fully Remote', '', '2022-04-17', 'remote', 'Serves a good cause',
'user1'),
('Workhuman', 'MA', 'ML Engineer', '2022-05-01', 'in-person', 'HR software. High pay
for fully remote', 'user1'),
('Eso', 'Des Moines', 'Data Analyst', '2022-04-06', 'hybrid', 'Healthcare software
company ', 'user1'),
('Medtelligent', 'Chicago', 'IT specialist', '2022-04-14', 'unclear', 'Upcoming
HealthTech company that solves challenges around drug discounts in the US.', 'user1'),
('DreamBox Learning', 'Bellevue', 'SWE', '2022-04-10', 'remote', 'Edtech company,
making tutoring software ', 'user1');
```

```
INSERT INTO `interviews` (`company`, `location`, `jobTitle`, `date`, `comments`,
`username`) VALUES
('Company1', 'Atlanta', 'SWE', '2022-05-20', 'Get on the leetcode grind!', 'user1'),
('Company2', 'SF', 'SWE', '2022-05-15', 'Behavioral interview', 'user1'),
('Company3', 'Seattle', 'SWE', '2022-05-27', 'They like to ask system design
questions.', 'user1'),
('Company4', 'Houston', 'Full Stack Engineer', '2022-06-03', 'Brush up on some web dev
technologies beforehand.', 'user1'),
('Company5', 'Palo Alto', 'SWE', '2022-06-25', 'It would be cool to live in that area.
They like to use python so be prepared for that.', 'user1');
```

```sql
INSERT INTO `offers` (`company`, `location`, `jobTitle`, `date`, `workLocation`,
`comments`, `username`) VALUES
('Company1', 'Atlanta', 'SWE', '2022-04-14', 'in-person', 'Cool opportunity',
'user1'),
('Company2', 'Seattle', 'SWE', '2022-04-16', 'in-person', 'The housing costs
though..', 'user1'),
('Company3', 'SF', 'SWE', '2022-03-17', 'in-person', 'Negotiating salary', 'user1'),
('Company4', 'New York', 'SWE', '2022-03-12', 'unclear', 'Sounds like a good time',
'user1'),
('Torii', 'New York', 'SWE', '2022-04-05', 'remote', 'software focused company, about
40 employees', 'user2'),
('Jellyvision', 'Chicago', 'SWE', '2022-04-19', 'unclear', 'HR tech software',
'user2'),
('Wing', 'Palo Alto', 'SWE', '2022-03-10', 'remote', 'IOT company', 'user2'),
('Aurora Solar', 'Fully Remote', 'SWE', '2022-02-18', 'remote', 'Fully remote company
focused on having a positive social impact. Competitive pay and a lot of benefits.',
'user2'),
('Company5', 'Atlanta', 'Backend Engineer', '2022-04-15', 'hybrid', 'Good pay and
benefits', 'user1'),
('Company 6', 'Palo Alto', 'Full Stack Engineer', '2022-04-22', 'hybrid', 'Pay is low
for the cost of living ', 'user1'),
('Company 7 ', 'Chicago', 'Devops engineer', '2022-03-14', 'remote', 'Would have to
learn a lot beforehand.', 'user1'),
('Company 8', 'Austin', 'Front end engineer', '2022-04-09', 'unclear', 'Know some
alumni there', 'user1'),
('Company 9 ', 'Atlanta', 'Backend engineer', '2022-03-08', 'in-person', 'Pay is low
but it would be nice to stay in the state', 'user1'),
('Company 10', 'Atlanta', 'SWE', '2022-04-28', 'in-person', 'Very good offer.',
'user1'),
('Company11', 'Seattle', 'SWE', '2022-04-29', 'unclear', 'Very good offer.', 'user1');
```

```sql
INSERT INTO `rejections` (`company`, `location`, `jobTitle`, `date`, `comments`,
`username`) VALUES
('Google ', 'SF', 'SWE', '2022-02-02', 'Very tough interviews', 'user1'),
('Meta', 'SF', 'SWE', '2022-03-17', 'Gave it a try', 'user1'),
('Invicti', 'Austin TX', 'SWE', '2022-03-16', 'cool software security company',
'user1'),
('Apollo', 'Fully Remote', 'Software Engineer', '2022-04-13', 'Seems like a good
team', 'user1'),
('Startup 2', 'Alabama', 'SWE', '2022-04-25', 'Another location for another cool
startup...', 'user1');
```

```sql
INSERT INTO `saved` (`priority`, `company`, `location`, `jobTitle`, `date`,
`workLocation`, `comments`, `username`) VALUES
(1, 'Syndigo', 'Atlanta', 'SWE', '2022-05-14', 'in-person', 'Focused on marketing tech
and analytics. Make sure to emphasize personal project based on retail.', 'user1'),
(2, 'TravelPerk', 'Boston', 'SWE', '2022-05-21', 'in-person', 'IOT software company.
Talk about experience traveling and personal project on the topic.', 'user1'),
(3, 'CodeSignal', 'Fully Remote', 'SWE', '2022-05-28', 'in-person', 'Very flexible
work style. HR tech company. About 80 employees', 'user1'),
(4, 'Kalderos', 'Chicago', 'SWE', '2022-04-11', 'in-person', 'HealthTech company that
solves challenges around drug discounts in the US.', 'user1'),
(5, 'Pawp', 'Brooklyn', 'SWE', '2022-05-29', 'in-person', 'A digital clinic for
pets.', 'user1'),
(6, 'Blind', 'Austin TX', 'SWE', '2022-06-04', 'remote', 'Fintech company focused on
payments and real estate.', 'user1'),
(7, 'Insurify', 'Cambridge', 'SWE', '2022-07-01', 'in-person', 'Online insurance
marketplace.', 'user1'),
(8, 'OpenWeb', 'New York', 'SWE', '2022-06-21', 'in-person', 'News, entertainment,
social media, \"elevating quality conversations\"', 'user1'),
(9, 'BlueVine', 'Gretna', 'SWE', '2022-08-11', 'in-person', 'Empowering small
businesses with innovative banking designed for them.', 'user1'),
(10, 'Gearset', 'Chicago', 'SWE', '2022-05-21', 'remote', 'Working fully remotely
would be nice.', 'user1');
```

```sql
INSERT INTO `userlist` (`username`, `password`, `email`, `reset_token`) VALUES
('user1', '$2y$10$9n6GItbvmKtljH4p8MHeoOS.J8Uh7ge5RpFLX2KCinXtHNfPMIzXq',
'raymondfeckoury@icloud.com', '16516779597a4d6853a9f967c7d3957ff8c9fc59a1'),
('user2', '$2y$10$Bhw8bwbpwqGPEaYLW.jmNekpAz5etHnJTh9IHomTq2UVljl.yd/3C',
'email@email.com', ''),
('user3', '$2y$10$0NmxWz.WRju5wWMOcuLJ2uqTiqhTT3/0aEs4USZLulLNn2/kYcp9O',
'fakeemail@email.com', '');
COMMIT;
```

8 Source Code and Internal Documentation

The source code and required documentation can be found in this github repository: https://github.com/RaymondFeckoury/Group5_FinalProject

9 Major Problem Summary

> Problem 1:
Description:
For the site to function as intended, we needed a way for the user to specify which application they wanted to modify. After selecting the application, the user can then move it to a different location or delete it. It is therefore important to make the process intuitive and consistent on every page to avoid errors with the MySQL queries. At first, an "id" field was used to provide this functionality. This ID was an auto incrementing integer value. The problem was simply that the site's presentation was unprofessional as well as unscalable since a large number of applications would make the ID unreasonably long to type.
Solution:
Users enter a lot of information for each job or internship application. Noticing that it would not make sense for an application to contain the same information across multiple fields, I decided to redo the MySQL queries entirely so that users could identify applications using this information. This approach required a considerable amount of error checking, and took a very long time to implement. In the final product, if a user enters application information like the company name which is consistent with another application, they are prompted to enter more information. Otherwise, the operation they specify is executed.

> Problem 2:
Description:
For the front-end part to look as planned, we used bootstrap as a framework to implement our project. In bootstrap, the styles are lengthy and can lead to lots of output in HTML, which is not needed. Without any guidance, it could have also led to our front end having an issue connecting to the backend.

Solution:
Using the google font API helped solve all our problems as far as the display of the website was concerned. Since there was a complete step-by-step guide available on using the google font API, it made our front-end approach easier since the guide explained everything connecting the front end to the backend wasn't an issue.

10   Lessons Learned

Raymond Feckoury

The importance of having clearly defined requirements, responsibilities, and expectations amongst all members of the group cannot be understated. Without a clear understanding of exactly what we are building and how we are doing so, a lot of time will be wasted due to errors which could have been avoided with better planning. Meetings alone are not enough to accomplish this. Pictures, documentation, and notes must be taken during each meeting and shared with all members. This is especially important for college students who are managing several different classes and are prone to forgetting what took place at the meeting.

Coming into this project I was unsure whether I was better suited to be a front end or back end developer. Working on the full stack of this website helped me to realize that I have a proclivity towards backend development rather than front end development. I find the work to be more rewarding and interesting, and learning this now may save me some time in the future as I begin applying for jobs. I also learned that getting a minimum viable product up first before fixing minor details helps reduce stress levels as deadlines approach.

Sunny Shah

As this was my first team-based project, I learned the importance of communication. Also, the lack of milestones and communication may lead to problems in meeting the final deadline.

I enjoyed working with this team as a front-end developer, and this project will always hold a special spot in my heart. However, when going into this project I failed to realize the importance of a front-end developer. In my mindset, only the functionality of the program matters, not the appearance. Now, I have come to recognize that the front-end is just as important if not more important than the back-end. The user interacts with the front-end, and if their interactions with the front-end aren't great then the back-end doesn't get a chance to shine. So in the future, I plan to think like a user and make the front-end as appealing and user friendly as possible.

Het Patel

This was my very first group project in which I had to figure everything out. There were times when I felt that I didn't understand what I was supposed to do. In the beginning, there was lots of communication that needed to be started within the groups. Once we got started on what needed to be done, we quickly figured it out and finished it.

I learned a lot about the back-end and a little bit of the front end from this project. Another thing I learned was how to research what components were needed to get certain functionality or features up and running in the project. I also learned how hard the front-end really is when you do everything without any frameworks. I realized how easy frameworks make life easier for software developers.

Ashwin Nayak

I learned a lot from this group project. Considering it was my first time working with a team, I had a great experience meeting new people. The most important lesson I learned was the importance of having clear communication. Without clear communication, coordinating with the team members and going according to what's planned becomes extremely difficult to execute.

Avoiding procrastination would have also made things a lot simpler for us. Apart from all those lessons learned, I also got an opportunity to learn and develop my skills in PHP, MySQL, CSS, HTML, and applying different frameworks. Even though I had a hard time figuring out what I was doing, my teammates were always there to help me, which made my job a lot easier.

11   User Guide and External Documentation

Application Organizer User Guide
Raymond Feckoury, Het Patel,
Ashwin Nayak, Sunny Shah

May 4, 2022

Contents

1   The Entry Point

Index.html is the entry point for both registered and unregistered users. It points to the home page, from which the only subsequent page which is accessible is the login page. Attempting to access pages that contain the site's main functionality from this page will redirect the user to the login page. The site was designed in this manner because without sign in information we cannot store the user's information. Do not confuse index.html with index2.html. The second index page is what the user sees once they have logged in. We designed the site in this manner in order to provide users with information about their progress in the home page once logged in. As a result, making a similar but different index page was necessary.

This index page may be viewed by simply opening the index.html file from our source code. Do note however that no server-side functionality is possible using this method, so this should only be done to view the front end style of the website's home page. This is not the recommended method, since the main functionality of the site will be inaccessible. The preferred method is outlined in the next section.

2   Starting Application Organizer

> Step 1: Download XAMPP

- XAMPP can be downloaded from the official Apache Friends website using the following link: https://www.apachefriends.org/download.html

This tutorial will use version 7.4.29 for OSX, however similar steps can be used on other operating systems. XAMPP makes the installation process intuitive through their tutorials. After downloading has been completed, open the application and you should see the following display:

> Step 2 - Start all servers from the "Manage Servers" tab:
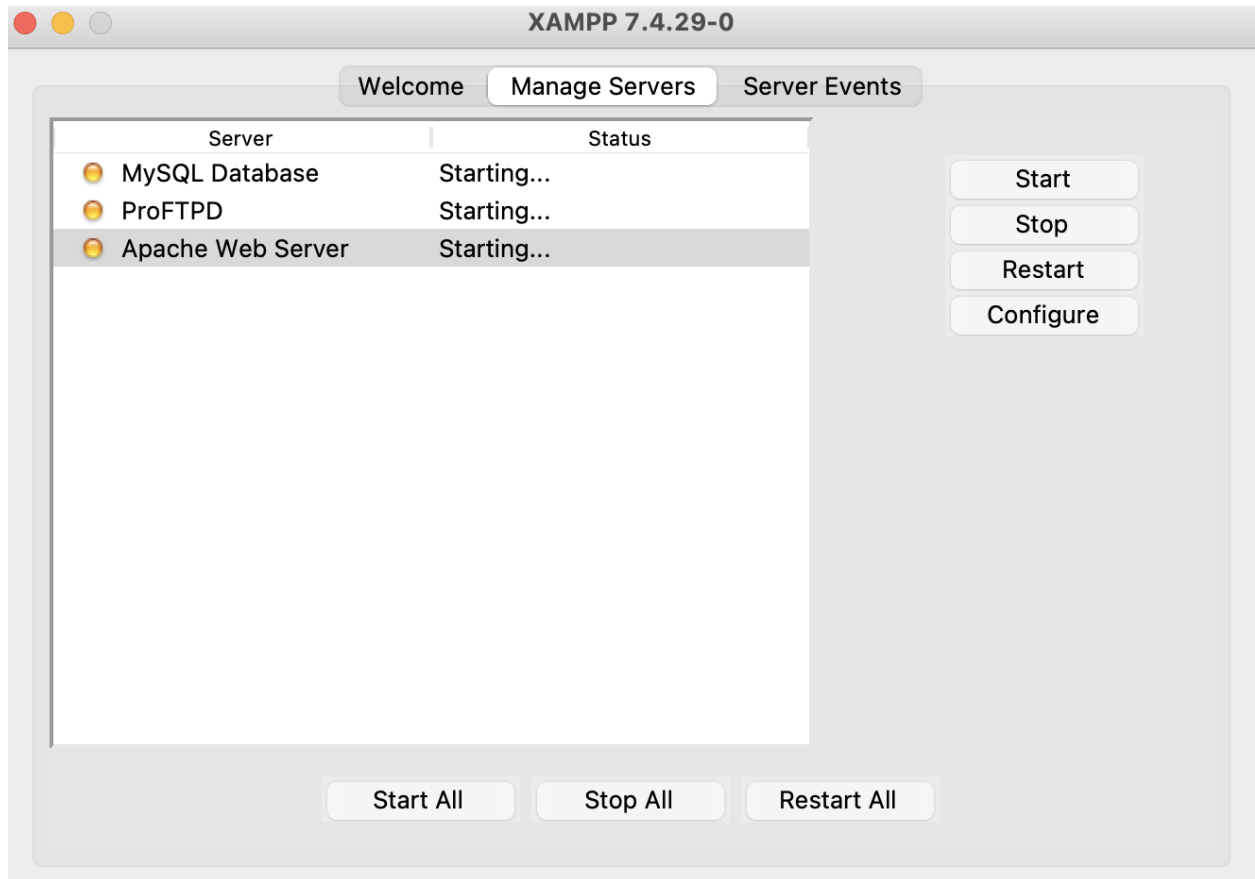
> Step 3 - Copy Source Code folder into htdocs:

- HTDOCS is where all programs for web pages that are being developed with XAMPP are stored.
- Navigate to the github repository with this link: https://github.com/RaymondFeckoury/Group5_FinalProject

Option 1:
1. Copy the https web url under the green "code" button.
2. In your terminal, navigate to the htdocs directory and clone the git repository using: "git clone <url>"

Option 2:
1. Under the green "code" button, download the repository as a zip file.
2. Move this zip file into your htdocs directory.

- In your htdocs directory, you should now see a folder titled "Group5_FinalProject" containing all of the source code.

> Step 4 - Setting up the database:

Enter this command in phpmyadmin to create the database:

"CREATE DATABASE applicationOrganizer"

- Next, create and seed all the database tables by copying and pasting these commands from within the applicationOrganizer database:
- Alternatively, you can import the sql file which is in the same location as the source code.

```
CREATE TABLE `userlist` (
 `username` varchar(100) NOT NULL,
 `password` varchar(100) NOT NULL,
 `email` varchar(100) NOT NULL,
 `reset_token` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
CREATE TABLE `saved` (
 `priority` int(11) NOT NULL,
 `company` text NOT NULL,
 `location` text NOT NULL,
 `jobTitle` text NOT NULL,
 `date` text NOT NULL,
 `workLocation` text NOT NULL,
 `comments` text NOT NULL,
 `username` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
CREATE TABLE `rejections` (
 `company` text NOT NULL,
 `location` text NOT NULL,
 `jobTitle` text NOT NULL,
 `date` date NOT NULL,
 `comments` text NOT NULL,
 `username` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
CREATE TABLE `offers` (
```

```
 `company` varchar(255) NOT NULL,
 `location` varchar(255) NOT NULL,
 `jobTitle` varchar(255) NOT NULL,
 `date` varchar(255) NOT NULL,
 `workLocation` text NOT NULL,
 `comments` varchar(255) NOT NULL,
 `username` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
CREATE TABLE `interviews` (
 `company` varchar(255) NOT NULL,
 `location` varchar(255) NOT NULL,
 `jobTitle` varchar(255) NOT NULL,
 `date` varchar(100) NOT NULL,
 `comments` varchar(255) NOT NULL,
 `username` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
CREATE TABLE `completed` (
 `company` varchar(255) NOT NULL,
 `location` varchar(255) NOT NULL,
 `jobTitle` varchar(255) NOT NULL,
 `date` varchar(255) NOT NULL,
 `workLocation` text NOT NULL,
 `comments` varchar(255) NOT NULL,
 `username` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

Table Seeding

3. Finally, to initialize the tables with some sample data please insert the following commands:

```
INSERT INTO `completed` (`company`, `location`, `jobTitle`, `date`, `workLocation`,
`comments`, `username`) VALUES
('NCR', 'Atlanta', 'SWE Intern', '2022-03-23', 'in-person', 'Really cool people.',
'user1'),
('Microsoft', 'Atlanta', 'SWE', '2022-04-15', 'remote', 'Apparently they have a really
cool office here in ATL.', 'user1'),
('Google', 'Atlanta', 'SWE', '2022-03-26', 'unclear', 'Everyone is applying here
haha.', 'user1'),
```

```
('CGI', 'Atlanta', 'SWE', '2022-04-23', 'hybrid', 'Seems like a good place to work ',
'user1'),
('Amazon', 'Seattle', 'SWE', '2022-04-10', 'unclear', 'Leetcode ', 'user1'),
('Meta', 'Cali', 'SWE', '2022-04-12', 'in-person', 'stock is tanking ', 'user1'),
('Meta', 'Seattle', 'swe', '2022-05-01', 'remote', 'this is a comment.', 'user1'),
('Startup 1', 'SF', 'SWE', '2022-04-17', 'in-person', 'Cool startup.', 'user1'),
('Startup 2', 'SF', 'SWE', '2022-04-17', 'in-person', 'Another cool startup',
'user1'),
('Startup 1', 'ATL', 'SWE', '2022-04-23', 'in-person', 'Another location for the cool
startup', 'user1'),
('BigCommerce', 'Tenessee', 'Full Stack Engineer', '2022-03-17', 'remote',
'Revolutionizing commerce', 'user1'),
('Alfred', 'New York', 'Front end engineer', '2022-03-24', 'in-person', 'Real Estate
company.', 'user1'),
('Ascent', 'Chicago', 'SWE', '2022-04-18', 'hybrid', 'Fintech company', 'user1'),
('Dandy', 'New York', 'Data Analysis', '2022-04-22', 'unclear', 'Health tech company,
cool stuff', 'user1'),
('Workiva', 'Florida', 'SWE', '2022-04-23', 'in-person', 'Cloud software company',
'user1'),
('NCR', 'Atlanta', 'SWE', '2022-03-17', 'hybrid', 'Met them at a hackathon', 'user2'),
('CNA', 'Chicago', 'SWE', '2022-03-10', 'remote', 'Insurance company', 'user2'),
('8fig', 'Austin', 'SWE', '2022-03-18', 'in-person', 'Ecommerce company.', 'user2'),
('Striveworks', 'Austin', 'SWE', '2022-03-23', 'in-person', 'AI company', 'user2'),
('Vouch Insurance', 'Chicago', 'SWE', '2022-05-01', 'hybrid', 'Business insurance
company', 'user2'),
('Yotpo', 'North Carolina', 'SWE', '2022-03-25', 'unclear', 'Marketing tech company',
'user2'),
('Benchling', 'San Francisco', 'SWE', '2022-03-26', 'in-person', 'Healthcare tech
company', 'user2'),
('NCR', 'Overseas', 'SWE', '2022-03-23', 'remote', 'Foreign language requirement might
finally come in handy.', 'user1'),
('AccuWeather', 'Kentucky', 'Data Scientist', '2022-04-20', 'in-person', 'Would be
cool to work with weather data.', 'user1'),
('Talkiatry', 'Fully Remote', '', '2022-04-17', 'remote', 'Serves a good cause',
'user1'),
('Workhuman', 'MA', 'ML Engineer', '2022-05-01', 'in-person', 'HR software. High pay
for fully remote', 'user1'),
('Eso', 'Des Moines', 'Data Analyst', '2022-04-06', 'hybrid', 'Healthcare software
company ', 'user1'),
('Medtelligent', 'Chicago', 'IT specialist', '2022-04-14', 'unclear', 'Upcoming
HealthTech company that solves challenges around drug discounts in the US.', 'user1'),
```

```sql
('DreamBox Learning', 'Bellevue', 'SWE', '2022-04-10', 'remote', 'Edtech company,
making tutoring software ', 'user1');
```

```sql
INSERT INTO `interviews` (`company`, `location`, `jobTitle`, `date`, `comments`,
`username`) VALUES
('Company1', 'Atlanta', 'SWE', '2022-05-20', 'Get on the leetcode grind!', 'user1'),
('Company2', 'SF', 'SWE', '2022-05-15', 'Behavioral interview', 'user1'),
('Company3', 'Seattle', 'SWE', '2022-05-27', 'They like to ask system design
questions.', 'user1'),
('Company4', 'Houston', 'Full Stack Engineer', '2022-06-03', 'Brush up on some web dev
technologies beforehand.', 'user1'),
('Company5', 'Palo Alto', 'SWE', '2022-06-25', 'It would be cool to live in that area.
They like to use python so be prepared for that.', 'user1');
```

```sql
INSERT INTO `offers` (`company`, `location`, `jobTitle`, `date`, `workLocation`,
`comments`, `username`) VALUES
('Company1', 'Atlanta', 'SWE', '2022-04-14', 'in-person', 'Cool opportunity',
'user1'),
('Company2', 'Seattle', 'SWE', '2022-04-16', 'in-person', 'The housing costs
though..', 'user1'),
('Company3', 'SF', 'SWE', '2022-03-17', 'in-person', 'Negotiating salary', 'user1'),
('Company4', 'New York', 'SWE', '2022-03-12', 'unclear', 'Sounds like a good time',
'user1'),
('Torii', 'New York', 'SWE', '2022-04-05', 'remote', 'software focused company, about
40 employees', 'user2'),
('Jellyvision', 'Chicago', 'SWE', '2022-04-19', 'unclear', 'HR tech software',
'user2'),
('Wing', 'Palo Alto', 'SWE', '2022-03-10', 'remote', 'IOT company', 'user2'),
('Aurora Solar', 'Fully Remote', 'SWE', '2022-02-18', 'remote', 'Fully remote company
focused on having a positive social impact. Competitive pay and a lot of benefits.',
'user2'),
('Company5', 'Atlanta', 'Backend Engineer', '2022-04-15', 'hybrid', 'Good pay and
benefits', 'user1'),
('Company 6', 'Palo Alto', 'Full Stack Engineer', '2022-04-22', 'hybrid', 'Pay is low
for the cost of living ', 'user1'),
('Company 7 ', 'Chicago', 'Devops engineer', '2022-03-14', 'remote', 'Would have to
learn a lot beforehand.', 'user1'),
('Company 8', 'Austin', 'Front end engineer', '2022-04-09', 'unclear', 'Know some
alumni there', 'user1'),
('Company 9 ', 'Atlanta', 'Backend engineer', '2022-03-08', 'in-person', 'Pay is low
but it would be nice to stay in the state', 'user1'),
```

```
('Company 10', 'Atlanta', 'SWE', '2022-04-28', 'in-person', 'Very good offer.',
'user1'),
('Company11', 'Seattle', 'SWE', '2022-04-29', 'unclear', 'Very good offer.', 'user1');
```

```sql
INSERT INTO `rejections` (`company`, `location`, `jobTitle`, `date`, `comments`,
`username`) VALUES
('Google ', 'SF', 'SWE', '2022-02-02', 'Very tough interviews', 'user1'),
('Meta', 'SF', 'SWE', '2022-03-17', 'Gave it a try', 'user1'),
('Invicti', 'Austin TX', 'SWE', '2022-03-16', 'cool software security company',
'user1'),
('Apollo', 'Fully Remote', 'Software Engineer', '2022-04-13', 'Seems like a good
team', 'user1'),
('Startup 2', 'Alabama', 'SWE', '2022-04-25', 'Another location for another cool
startup...', 'user1');
```

```sql
INSERT INTO `saved` (`priority`, `company`, `location`, `jobTitle`, `date`,
`workLocation`, `comments`, `username`) VALUES
(1, 'Syndigo', 'Atlanta', 'SWE', '2022-05-14', 'in-person', 'Focused on marketing tech
and analytics. Make sure to emphasize personal project based on retail.', 'user1'),
(2, 'TravelPerk', 'Boston', 'SWE', '2022-05-21', 'in-person', 'IOT software company.
Talk about experience traveling and personal project on the topic.', 'user1'),
(3, 'CodeSignal', 'Fully Remote', 'SWE', '2022-05-28', 'in-person', 'Very flexible
work style. HR tech company. About 80 employees', 'user1'),
(4, 'Kalderos', 'Chicago', 'SWE', '2022-04-11', 'in-person', 'HealthTech company that
solves challenges around drug discounts in the US.', 'user1'),
(5, 'Pawp', 'Brooklyn', 'SWE', '2022-05-29', 'in-person', 'A digital clinic for
pets.', 'user1'),
(6, 'Blind', 'Austin TX', 'SWE', '2022-06-04', 'remote', 'Fintech company focused on
payments and real estate.', 'user1'),
(7, 'Insurify', 'Cambridge', 'SWE', '2022-07-01', 'in-person', 'Online insurance
marketplace.', 'user1'),
(8, 'OpenWeb', 'New York', 'SWE', '2022-06-21', 'in-person', 'News, entertainment,
social media, \"elevating quality conversations\"', 'user1'),
(9, 'BlueVine', 'Gretna', 'SWE', '2022-08-11', 'in-person', 'Empowering small
businesses with innovative banking designed for them.', 'user1'),
(10, 'Gearset', 'Chicago', 'SWE', '2022-05-21', 'remote', 'Working fully remotely
would be nice.', 'user1');
```

```sql
INSERT INTO `userlist` (`username`, `password`, `email`, `reset_token`) VALUES
('user1', '$2y$10$9n6GItbvmKtljH4p8MHeoOS.J8Uh7ge5RpFLX2KCinXtHNfPMIzXq',
'raymondfeckoury@icloud.com', '16516779597a4d6853a9f967c7d3957ff8c9fc59a1'),
```

```
('user2', '$2y$10$Bhw8bwbpwqGPEaYLW.jmNekpAz5etHnJTh9IHomTq2UVljl.yd/3C',
'email@email.com', ''),
('user3', '$2y$10$0NmxWz.WRju5wWMOcuLJ2uqTiqhTT3/0aEs4USZLulLNn2/kYcp9O',
'fakeemail@email.com', '');
COMMIT;
```

- The database is now seeded with data that demonstrates the site's functionality.

> Opening Application Organizer:

- In XAMPP, click "go to application," and replace the URL with localhost/Group5_FinalProject. Please note that this URL may change in response to the port being used.
- You should see the following screen:

Index of /Group5_FinalProject

Name	**Last modified**	**Size**	**Description**
Parent Directory		-	
Documentation/	2022-05-04 21:52	-	
Source Code/	2022-05-04 21:52	-	

- Click "*Source Code*":

Parent Directory		-
CSS/	2022-05-04 21:52	-
HTML/	2022-05-04 21:52	-
Images/	2022-05-04 21:52	-
JavaScript/	2022-05-04 21:52	-
PHP/	2022-05-04 21:52	-
applicationOrganizer..>	2022-05-04 21:52	11K
composer.json	2022-05-04 21:52	65
composer.lock	2022-05-04 21:52	3.8K
vendor/	2022-05-04 21:52	-

- Click "*HTML*," and you should see our index.html page:
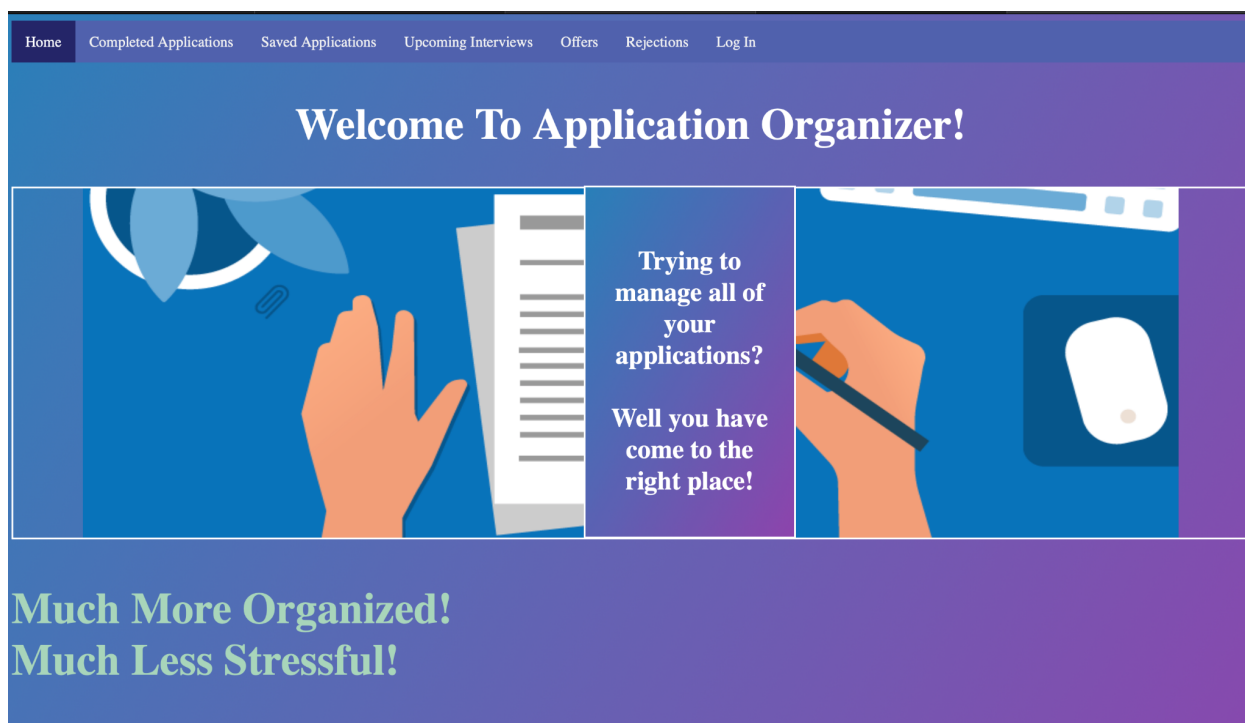
- Log in with the following account information:
- Username: user1
- Password: password123

3   Functionality

> <u>Account Functionality</u>:

- Create a new account with username, email, password.
- Email a link to reset password if the user forgets their login information.
- Reset password once logged in.

> <u>Security/Validation</u>:

- Passwords are hashed.
- All forms are validated using PHP and/or JavaScript.
- Passwords have a minimum length requirement.
- Session variables are used to track the user.

> <u>Site features</u>:

- Save applications you would like to apply to in the future along with the deadline and a priority field that the user enters.
- Add and view completed applications.
- Move applications from completed to accepted or rejected.
- Save upcoming interviews along with their respective dates.

4   Supported Operating Systems and Browsers

> <u>Operating Systems</u>:

- Mac OSX
- Windows

> <u>Browsers:</u>

- Safari
- Chrome

5   Libraries and Frameworks

Application Organizer was created using HTML, CSS, Bootstrap, Google Font API, vanilla JavaScript, PHP, and MySQL.

6   Code

No starter code was used, all source code is available at the github repository.

7   Directory Structure

∨ PHP
- completed.php
- completedStyle.php
- connDB.php
- createAccount.php
- forgotPassword.php
- interviews.php
- LogIn.php
- logout.php
- new-password.php
- newApplication.php
- newInterview.php
- newOffer.php
- newSaved.php
- offers.php
- passReset.php
- rejections.php
- reset-password.php
- saved.php
- send-recovery-mail.php
- session.php