Project "ResYouMe"

By Team Sandpiper

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URLs

GitHub Repository: https://github.com/gipsond/461L-app
Team Google Drive: https://drive.google.com/drive/u/1/folders/0AN1ijUyniSTOUk9PVA

Project Lead: David

Tasks Completed

For phase 1 we created a main page for our application as shown in figure 1. The main page has five buttons, four of the buttons correspond to the main tasks that we implemented for phase 1. The last button is for the about page which contains the team member's information. The following sections describe the functionality for each of the tasks.

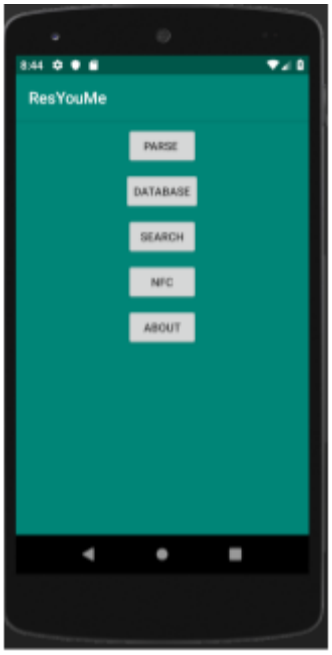


Figure 1 - Main Page

Parse

The parser opens up your google docs and lets you download a pdf version of your resume. It then sends and API request with this pdf and displays whatever text it receives back. Here, you can also view your saved pdf resume.

Figure 2 - Parse Page

Database

Whenever you share resumes with someone or create a resumes, they are saved in an SQLite database. Here you can look at their information whenever you want to.

Figure 3 - Database Page

Search

In the Company Search page (Figure 4) the user can enter in the URL for a company in the search text field and after clicking the search button information on that company will appear on the screen. The information is gathered using the Full Contact API, which takes a company URL (i.e. microsoft.com) and returns a JSON object with information about the company.

Figure 4 - Company Search Page

NFC

Resumes will be shared over NFC. For now, we can send strings from one phone and display it on the other. For phase two, we will implement sharing resumes through this feature.

Figure 5 - NFC Page

About

The About page has information about how the ResYouMe application works and what it is used for. There is also brief information about each member of the team and a picture to go with it. This activity will also show the github commits that each member made.

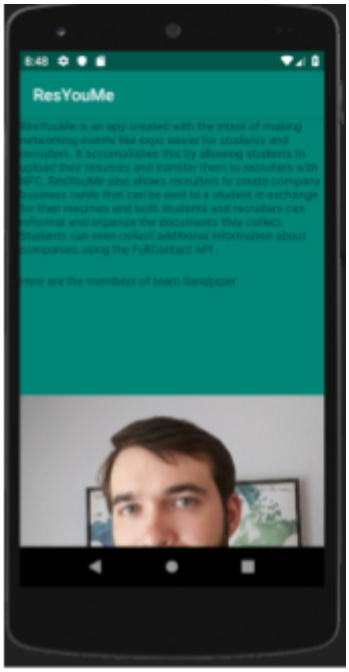


Figure 6 - About Page

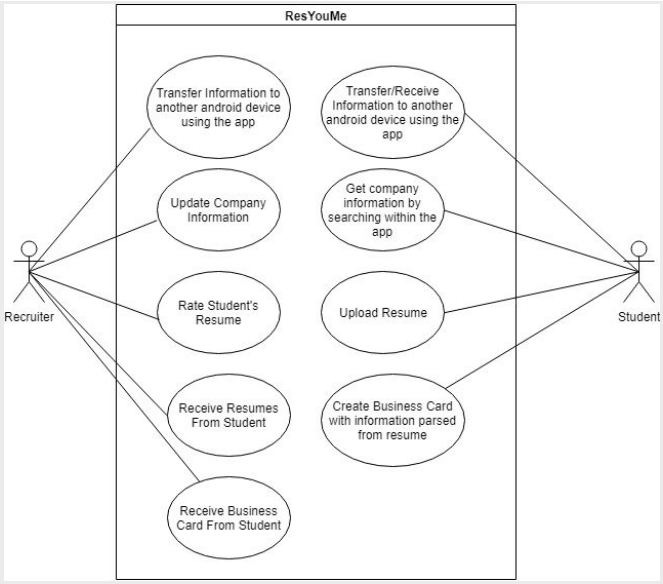
Requirements

User Stories: Students

- As a student, I want a way to store resumes on my phone and transfer them to recruiters.
- As a student, I want a way of getting information electronically on my phone about where/how to apply after speaking with a recruiter at my local career fair, so that I do not need worry about keeping hard copy flyers with this information.
- As a student, I want a way of easily getting company information on my phone while waiting in line at my local career fair, so that I can quickly research/refresh on what the company does

User Stories: Recruiters

- As a recruiter, I want a way to receive electronic resumes at my local career fair, so that I do not need to collect hard copies.
- As a recruiter, I want a way of sending information electronically on where/how to apply to students, so that I do not need to bring hard copies to hand out.



Design

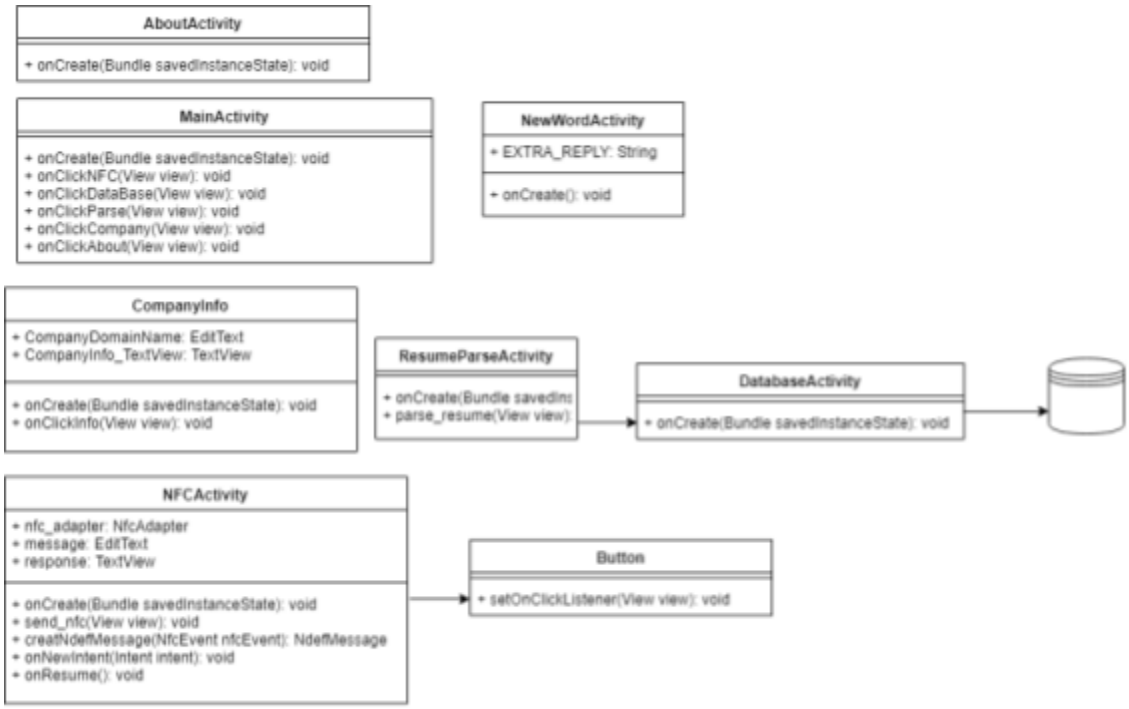
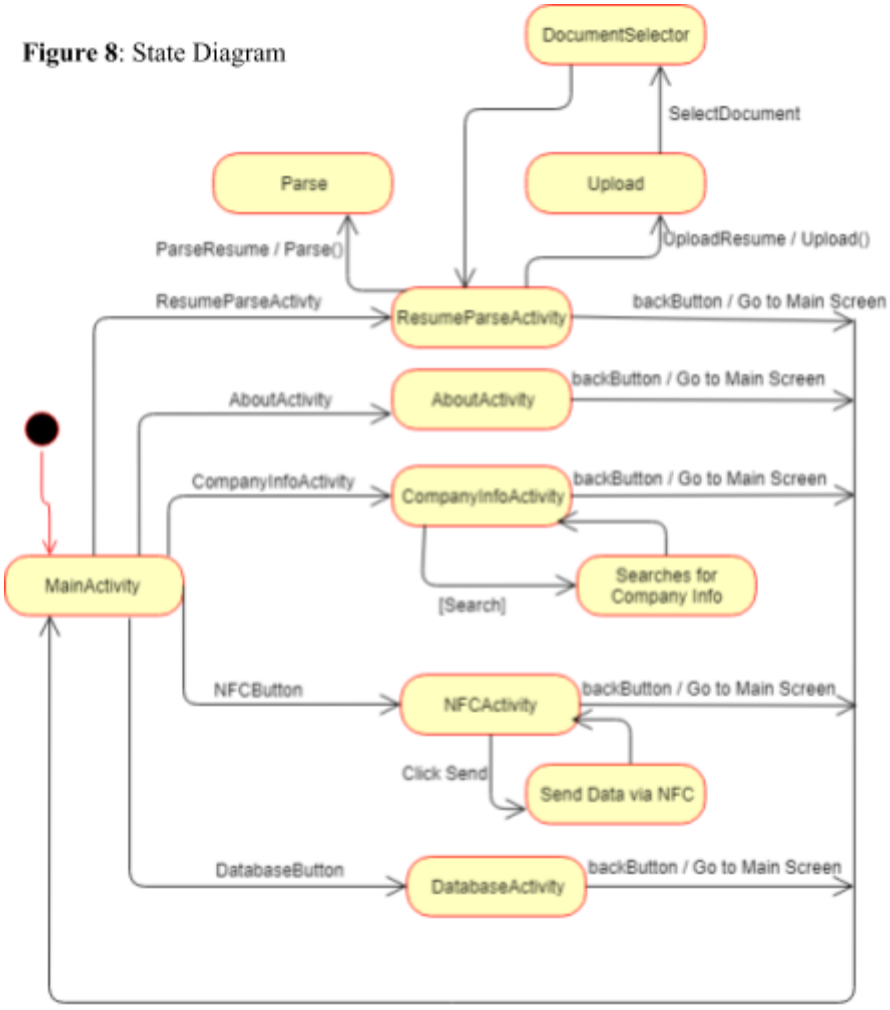


Figure 7: Class Diagram

Figure 8: State Diagram



Tools

Resume uploads were parsed using the RapidParser API. This API will parse uploaded .pdf and .docx resumes and return contact info, known languages, education history, proposal history, personal interests, and additional skills.

Company Information was generated using the Full Contact API. Full Contract API is done over HTTPS using the POST method, with content sent as JSON in the request body.

For development we used Android Studio IDE and its libraries used for NFC. The database work was done using SQLite to locally store information. We used Volley to assist with making API calls.

Testing

Testing consisted mostly of individual debugging done by each member. All the activities have been tested and everything works well. No major bugs were encountered. Further testing will be conducted for phase two when we start fully integrating all the different parts.