

Project Plan Presentations Today

September 25, Anthony 1279

- Team Yello
- Team Union Pacific
- Team Harvard Law School
- Team Ford



MICHIGAN STATE

U N I V E R S I T Y

Project Plan

Intelligent and Adaptive Data Mapping

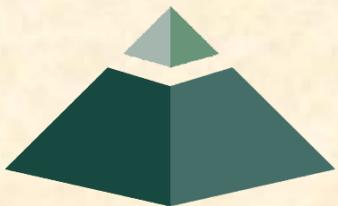
The Capstone Experience

Team Yello

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*From Students...
...to Professionals*

Functional Specifications

- Take in user input and make suggestions to user while typing
- Return standardized output based on data collected by Yello
- Possibly allowing for candidates to upload their resume



Design Specifications

- Graphically simple and straightforward user interface important for candidate and recruiter as well as Yello
- Gathers enough useful information from the candidate for recruiters without requiring an extended interaction with the application



Screen Mockup: Data Submission Page

The mockup shows a white page with a blue gradient on the right side. In the top left is the 'yello' logo in blue. In the top right, there is a yellow-bordered box containing the text 'CAREER FAIR' and a link 'Help'. Below this is the heading 'LET'S GET TO KNOW YOU' in blue. There are three stacked input fields with blue borders and rounded corners, labeled 'NAME', 'SCHOOL', and 'MAJOR'. Below the fields is a yellow 'REGISTER' button.

yello

CAREER FAIR
[Help](#)

LET'S GET TO KNOW YOU

NAME

SCHOOL

MAJOR

REGISTER



Screen Mockup: Data Submission Page

The mockup shows a web interface for submitting data. At the top, there is a teal header with the text "career fairs". Below the header, the "YELLO" logo is on the left and the "yello" logo is in the center. A "help" link is on the right. The main content area contains four input fields: "Type your school here", "Select your major" (with a dropdown arrow), "Select your degree" (with a dropdown arrow), and "Graduation dates" (with a calendar icon). Below these fields is a placeholder for a profile picture. At the bottom, there are three icons: a person icon labeled "Upload Picture", a magnifying glass icon labeled "Search", and a trash can icon labeled "Delete".



Screen Mockup: Data Submission Page

The mockup shows a web browser window titled "Survey". The page has a light teal background with the "yello" logo in the top left. The main heading is "Connect with us!". A large white circle contains the form fields:

- First Name:
- Last Name:
- University:
- Major:
- Expected Graduation:
- Interest?:
 - Internship
 - Co-op
 - Full-time
- Submit:

Screen Mockup: Data Submission Page

The mockup shows a web browser window titled "Recruiting Survey". The page has a dark teal background with the "yello" logo in the top left. The form fields are arranged vertically on the right side of the page. The fields are: First Name, Last Name, Email, Phone, School, Degree, and Major, each with a white input box and a magnifying glass icon. Below these are two dropdown menus for "Expected Graduation" (Month and Year). At the bottom, there are three radio buttons for "Interest?" (Internship, Co-op, Full-time) and an orange "Submit" button.

Recruiting Survey

yello

First Name

Last Name

Email

Phone

School

Degree

Major

Expected Graduation

Interest?

Internship

Co-op

Full-time

Submit

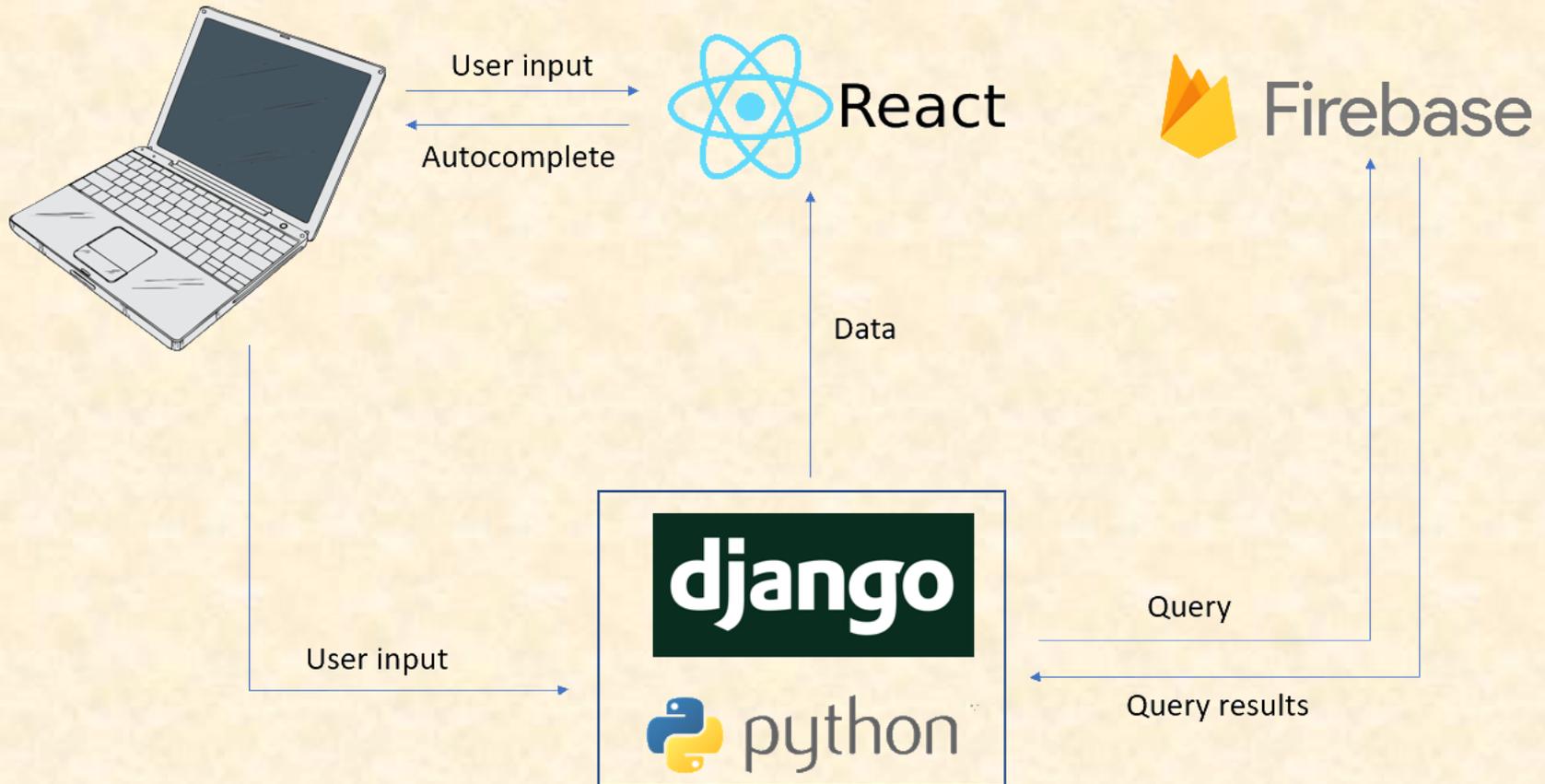


Technical Specifications

- JavaScript
- Python
- Django
- PhpStorm
- React
- Firebase
- AutoComplete



System Architecture



System Components

- Hardware Platforms
 - Firebase
- Software Platforms / Technologies
 - PhpStorm
 - PyCharm



Risks

- User Input Errors (High)
 - User may supply algorithm with misspellings resulting in no match, if the error is not caught the data supplied will have errors and inconsistencies
 - Create spell-check module in tandem with our matching algorithm
- Instantaneous Autofill and Open source verification (High)
 - We found a useful open source module that can be implemented for instantaneous autofill
 - We verified the use of open source with Yello but will minimize our use of open source code in other features
- Scalability of Application (Medium)
 - If Yello decides to scale this app upwards for use elsewhere we will have to be cautious in our design to maximize efficiency
 - Practice good coding standards and document our code as well as using Firebase to imitate a server system
- Reliance on reliable network (Low)
 - The online nature of the project requires the user to always be connected to the Internet
 - Research offline caching to store temporary backups of user data



Questions?

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