Project Plan Presentations Today September 25, Anthony 1279

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

MICHIGAN STATE UNIVERSITY

Project Plan

Intelligent and Adaptive Data Mapping

The Capstone Experience

Team Yello

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From Students…
…to Professionals

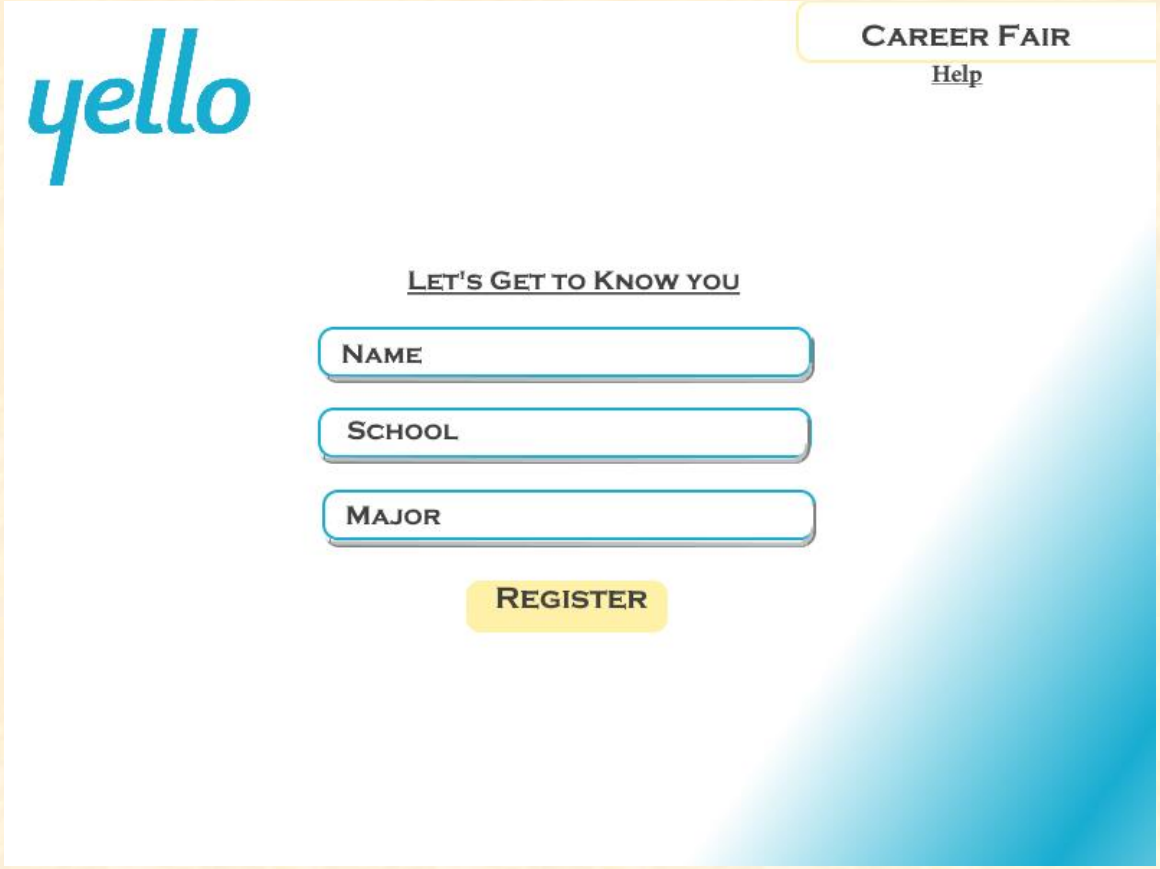
Functional Specifications

- 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



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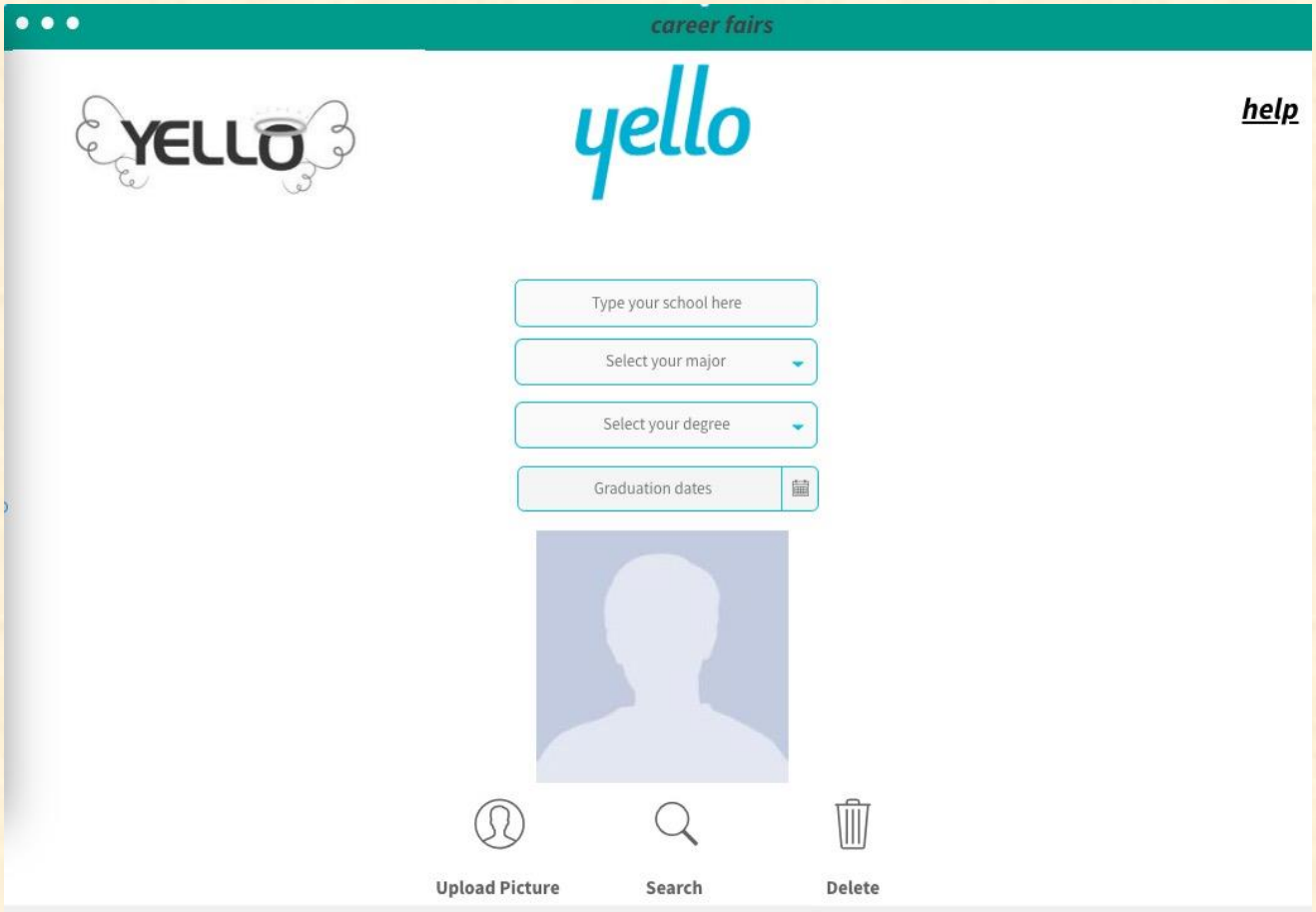

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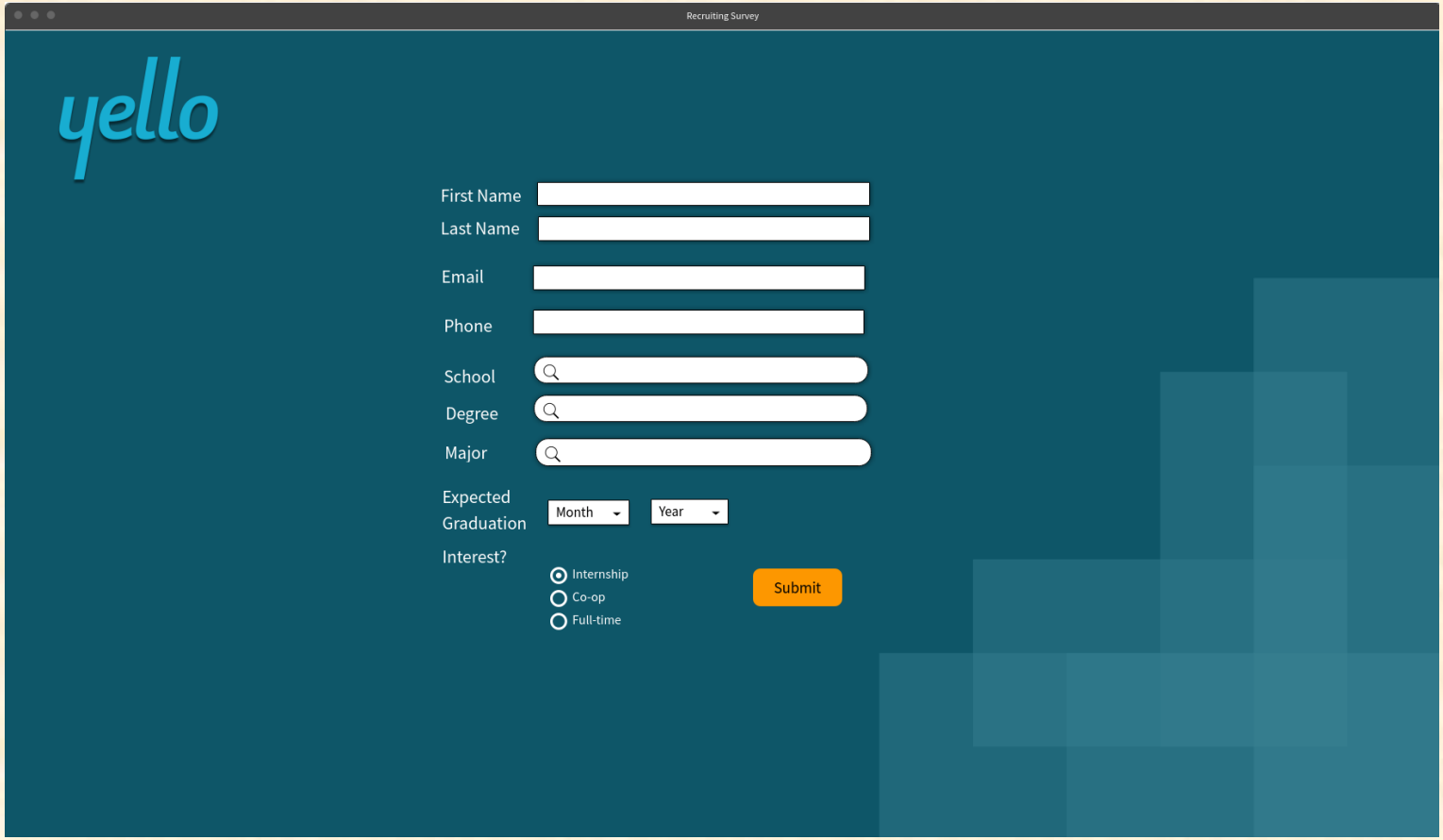
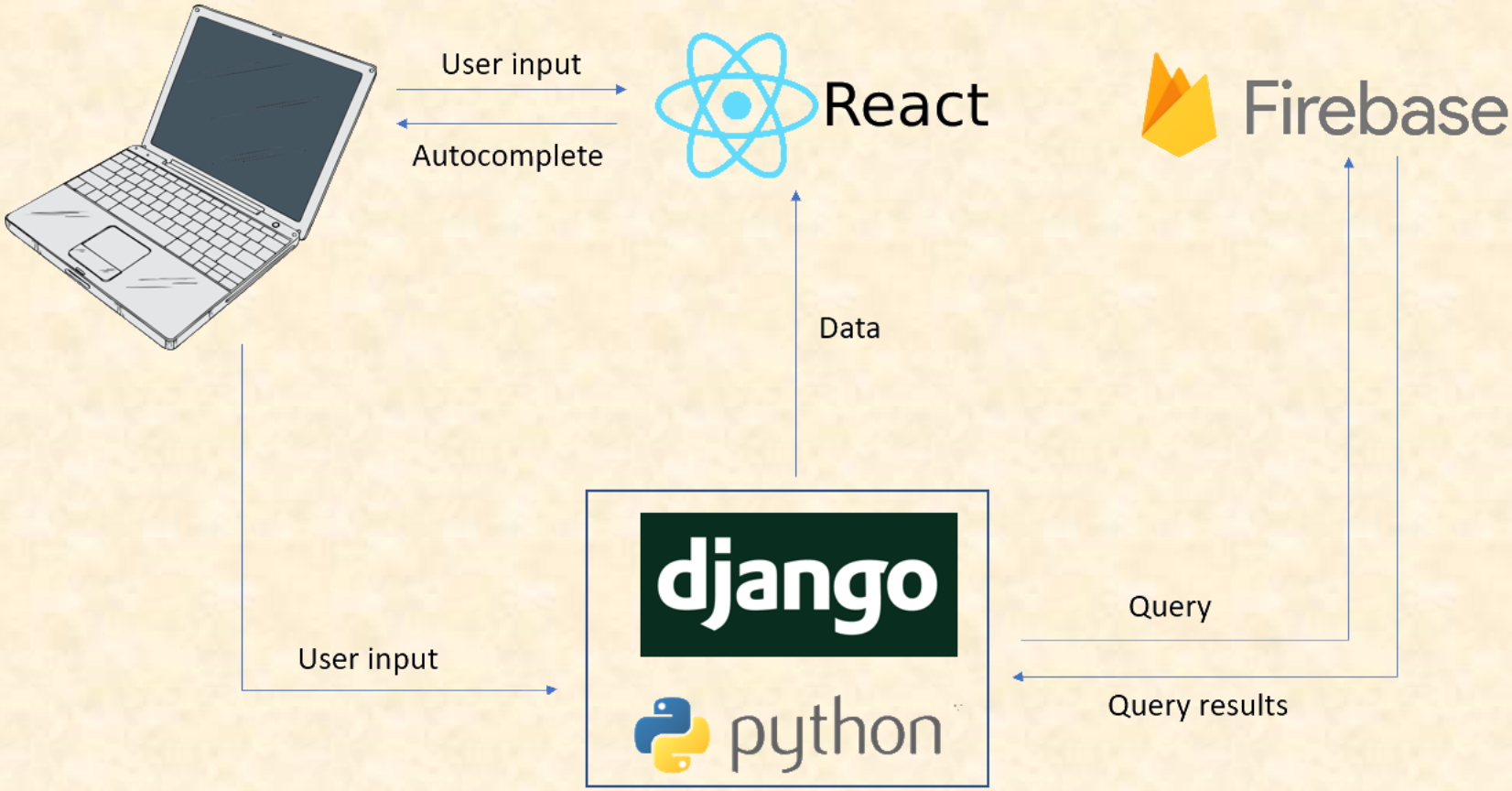


Technical Specifications

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

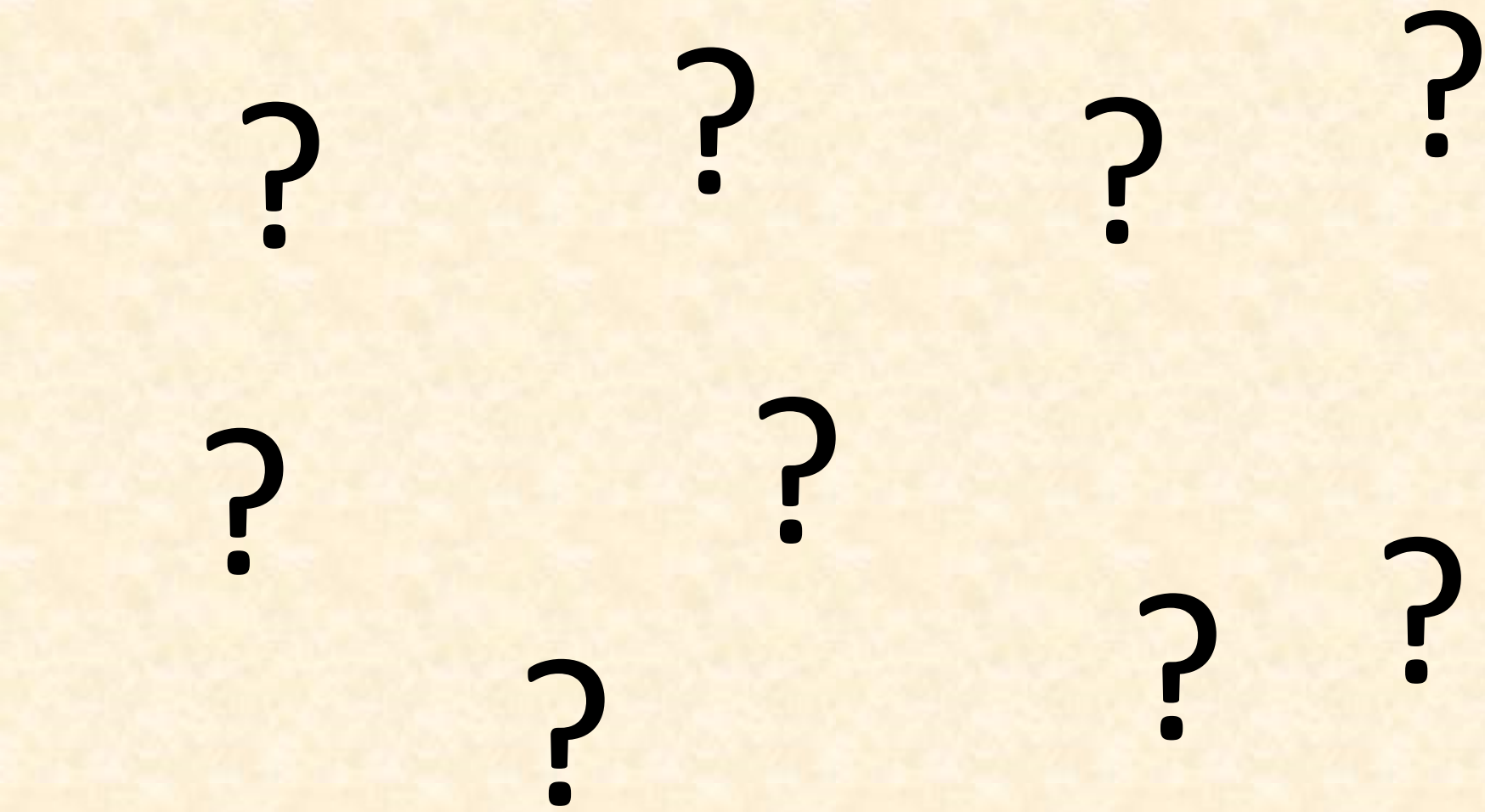
System Architecture



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?