

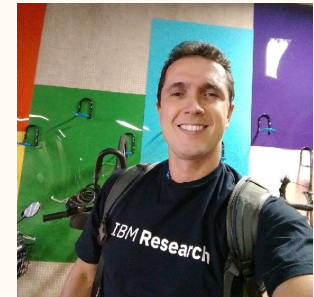
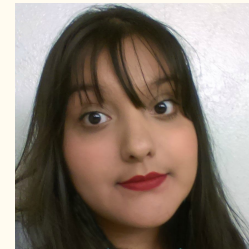


Group 12

Meet The Team

Team Lead	Jevin Dement
Customer Communicator	Stavros Triantis
Recorder	Adriana Aguilera
Architect	Ugo Dike
Release Manager	Joseph Danciu

Team Mentor	Fabio Santos
Client	Dr.Igor Steinmacher



Client Background

Dr. Igor Steinmacher

- ❖ Ph.D in Computer Science
- ❖ Assistant Professor & Researcher at NAU
- ❖ Working on the support of newcomers to OSS development



OSS Background

- ❖ GitHub: The Largest Host of Source Code
- ❖ 65% of surveyed companies leverage OSS to speed up App dev.
- ❖ 55% leverage OSS for production infrastructure



Why contribute?

- ❖ Improving Coding Skills
- ❖ Being part of a community
- ❖ Learning new technologies
- ❖ Advancing Career
- ❖ Advancing software freedom
- ❖ Developing new products



Problem Statement

Problem...

- ❖ Lack of open source software education
- ❖ Not knowing where to start
- ❖ Incorrect skill set for project
- ❖ Information Overload

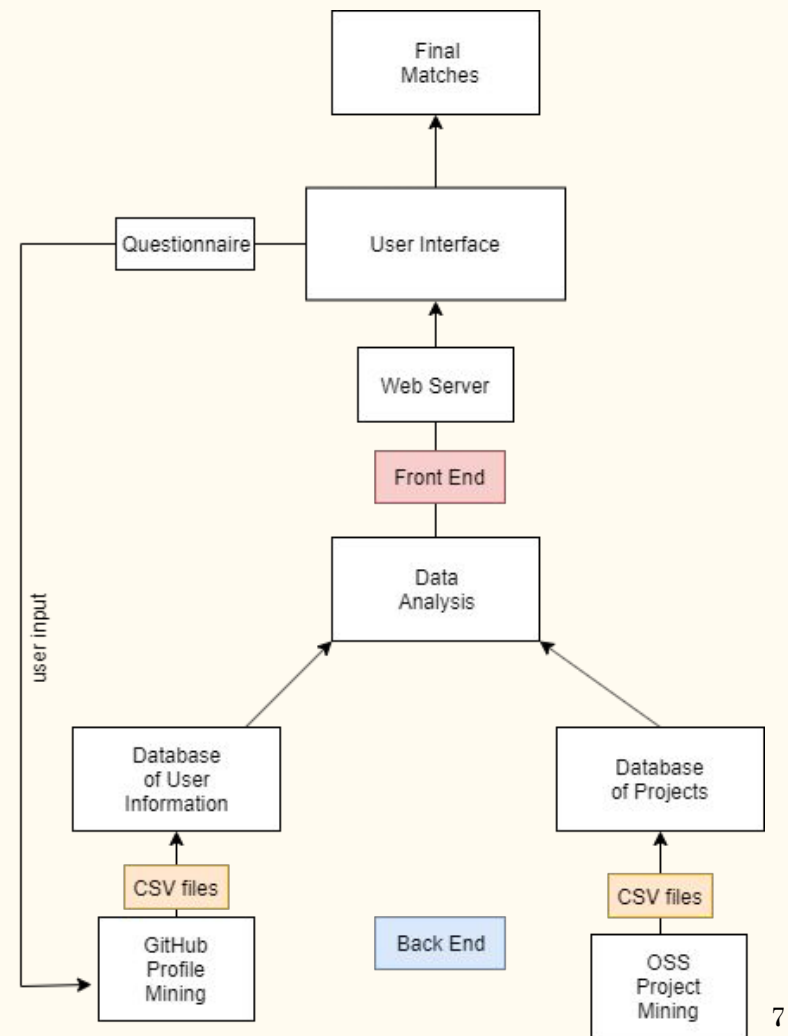
Need to...

- ❖ Match users to projects



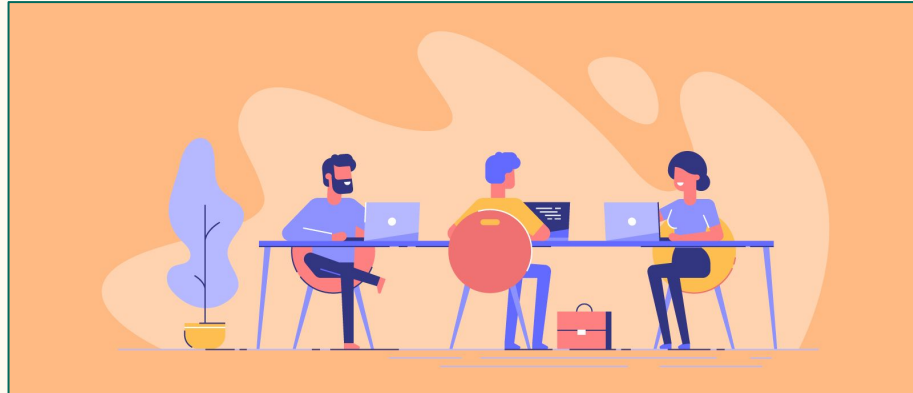
Solution Overview

- ❖ Developer inputs username or skills
- ❖ Mine info of user & projects
- ❖ Displays suggestive matches.



Gathering Requirements

- ❖ Daily team communication
- ❖ Weekly client/mentor meetings
- ❖ Develop key requirements



Key Requirements



❖ Functional

- Acquire username and authenticate
- Drop down list for questionnaire to make sure language/skill exists
- Mine user's repository & available GitHub OSS projects
- Match user to projects

❖ Non-Functional

- Stable web hosting services (at least 99.5% uptime)
- Framework to handle user traffic must be able to store 20 projects and handle 3 users at a time
- Simple user interface

Key Requirements

❖ Performance Requirements

- Speed at which we mine data from user's profile
- Information storage (so info is already calculated, and we just need to display)

❖ Environmental Constraints

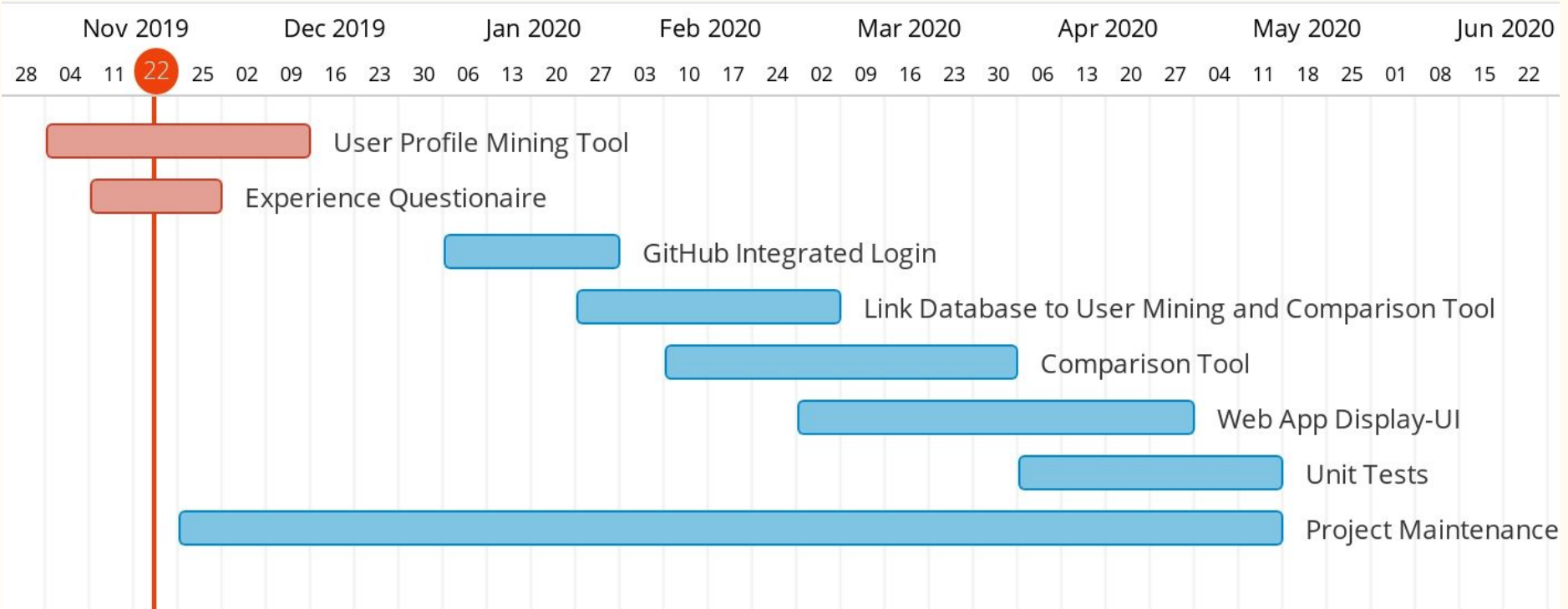
- 90 day history search on users repository
- Must use a Java Parser that is already created
- Must use a PostgreSQL database for projects



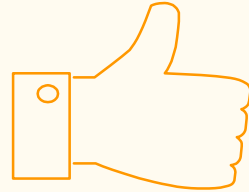
Risks & Feasibility

	Severity	Likelihood	Overall Risk
GitHub API V3 not being supported or modified in the future	HIGH	LOW	LOW
Over or under qualifying a user	LOW	HIGH	HIGH
Users being able to access other people's information	LOW	MEDIUM	LOW

Schedule



Conclusion



References

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