STEM
Student Mentoring Program

Fifty50

WHAT IS FIFTY50?

" Fifty50 is a **student-run** organisation that promotes **gender equity in STEM**. Their mission is to develop an equitable STEM pipeline, **from university to industry and academia**, inclusive of **all students**, regardless of their gender. "

RESOURCES USED

Trello · django · ZenHub · GitHub · slack · python

PROBLEM CONTEXT

WHAT IS THE MENTORING PROGRAM?

Fifty50 wants to increase gender equity in STEM, so they created a mentoring program that:

Enables students to build better **networks**

Educates students on **gender equity** and **career pathways**.

Empowers students to **develop** themselves **personally** and **professionally.**

The program includes:

- Pairing
- Tailored content
- One-on-one meetings
- In-depth training
- Workshops &events

WHAT NEEDS TO BE CHANGED?

WHY IS THIS IMPORTANT? (Maybe substitute for picture of homepage?

SCOPE OF PROJECT & OPPORTUNITIIES

PROJECT REQUIREMENTS SCOPE

OPPORTUNITIES & OVERALL SCOPE

APPROACH & SOLUTIONS

Pairing
Branding: Follow Fifty50's **style guide** for the frontend design.
Meet regularly with clients to establish and solidify project requirements
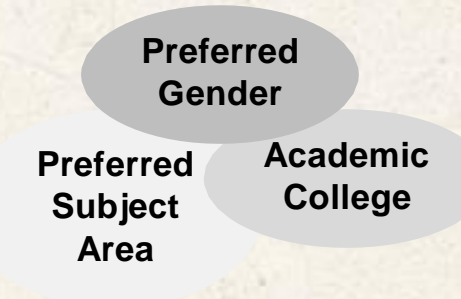**Weekly team catch-ups** to maintain project progress and team morale
Version Control & Project Management: Use **GitHub** with a **Kanban** development approach to assign and complete tasks.
Outsource the project to the **wider Django/Python community** to increase awareness and maximize project outcomes.
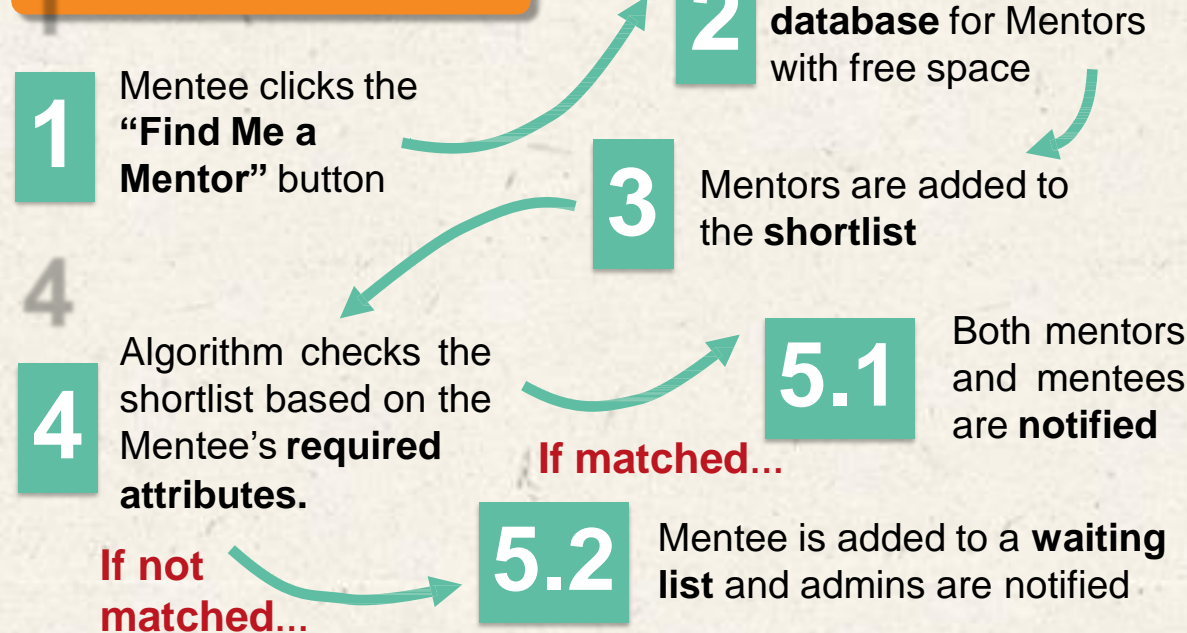
PAIRING ALGORITHM

Our algorithm matches mentees with mentors based on different attributes like:

- Preferred Gender
- Preferred Subject Area
- Academic College

Before pairing, mentors must:
1. **Complete pre-training**
2. Have **less than 3** mentees

HOW IT WORKS:

1. Mentee clicks the **"Find Me a Mentor"** button
2. Algorithm checks the **database** for Mentors with free space
3. Mentors are added to the **shortlist**
4. Algorithm checks the shortlist based on the Mentee's **required attributes.**

If matched...
5.1 Both mentors and mentees are **notified**

If not matched...
5.2 Mentee is added to a **waiting list** and admins are notified

FUTURE DIRECTION

A platform with real life impact may eventually benefit STEM students on a national scale

Fifty50 committee to have full admin control and to receive feedback on mentoring

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IMPACT OF THIS PROJECT

WHY IS THIS IMPORTANT? / PLATFORM OBJECTIVES

- Increasing the retention rate of STEM students.
- Promoting gender equity in STEM
- Assisting students through university
- Teaching students the importance of networks at an early stage

WHO, HOW, WHEN, WHY?

Fifty50 Committee
How: Running the Fifty50 program become much simpler.
When:
Why:

STEM Students
How: Encourages more students to study STEM courses.
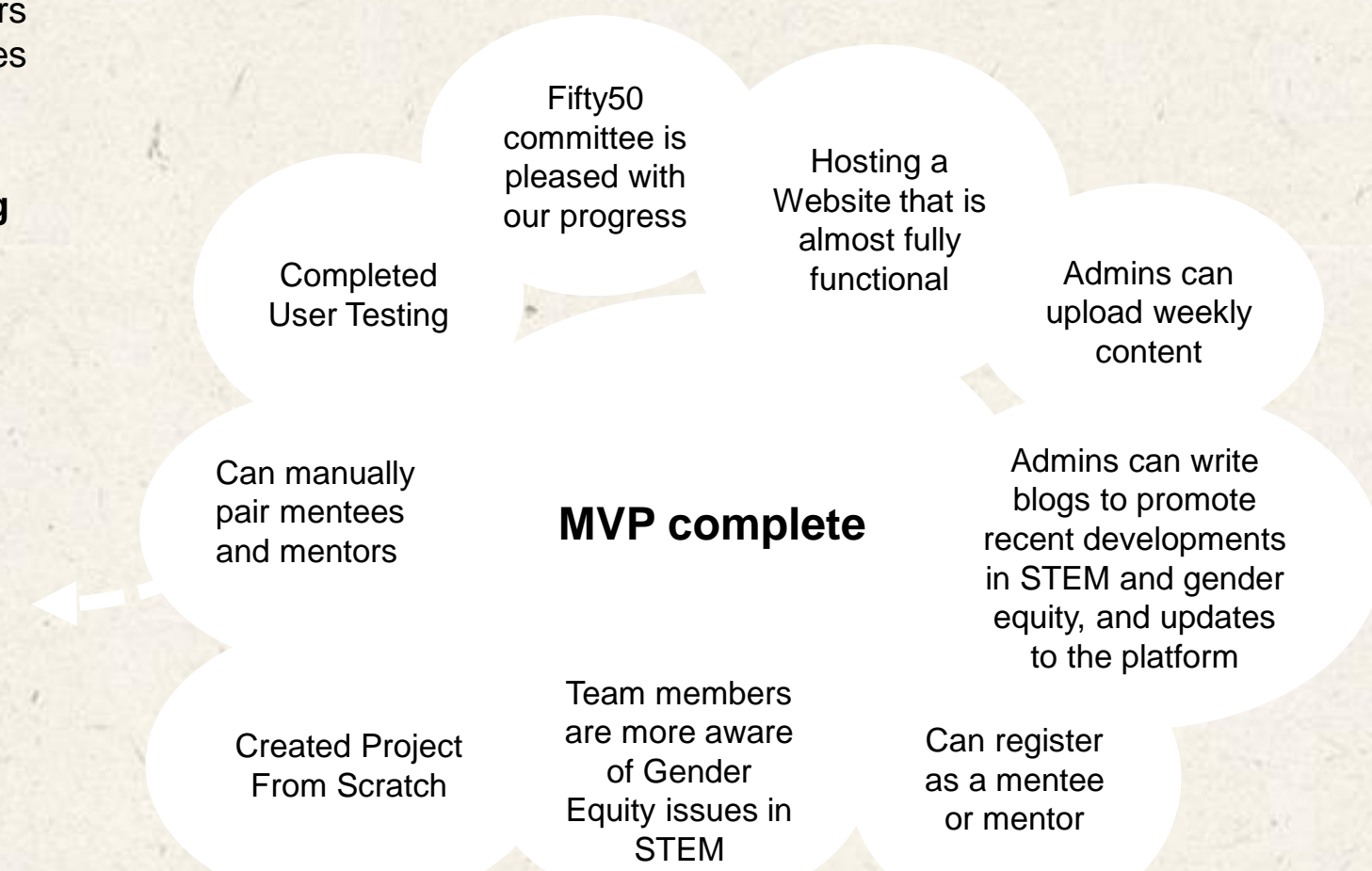When:
Why:

ANU Students
How:
When:
Why:

ACHIEVEMENTS SO FAR

http://u5949399.pythonanywhere.com/

- Fifty50 committee is pleased with our progress
- Hosting a Website that is almost fully functional
- Admins can upload weekly content
- Completed User Testing
- Can manually pair mentees and mentors
- **MVP complete**
- Admins can write blogs to promote recent developments in STEM and gender equity, and updates to the platform
- Created Project From Scratch
- Team members are more aware of Gender Equity issues in STEM
- Can register as a mentee or mentor

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slack   ZenHub
B   MySQL   python

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