

Housing 2.0: Project Proposal

Vision: Have you ever thought “RPI’s housing portal sucks”? That’s because it does. Housing 2.0 aims to revamp and recreate an improved version so that everyone has a more streamlined experience as well as less stress during the application process. The goal is to add many features that seem intuitive but are virtually non-existent in the current housing portal as well as new features that will aid in assigning students to their preferred housing such that the majority of students have their preferences met.

Stack: Python, Frontend(HTML,CSS,Javascript), FastAPI/Flask

Goals:

1. Have an amazing UI
2. New functions/features that the old housing portal didn’t have
3. Have an amazing website hosted

Milestones:

Milestones for February

- Create Mock Data
- 1st algorithm for pairing student-to-dorm
- Basic website developed

Milestone for March

- Connect Frontend to Backend
- New features / algorithms for pairing student-to-dorms

Milestone for April

- More features / algorithms for pairing student-to-dorms
- Spruce up frontend

Milestone for May

- Be prepared to show/demonstrate Housing 2.0 demo

Current Team Members (Name,email,slack,credit-amount/pay)

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