

# RooMIT

find your ideal roommate

# MIT's Housing Situation

**70%** of undergrads live in dorms

**70%** live with roommates

**Current system:** finds a dorm

**Problem:** finding a roommate

# You are..

Allergic to cats

Don't like noise

Have friends over a lot

# Which roommate?

**Alice**     course 18 TA

**Bob**     very neat

**Mary**     quiet

**Joe**     famous blogger

# Which roommate?

**Alice**     course 18 TA, likes cats

**Bob**     very neat, plays guitar 24/7

**Mary**     quiet, is never home

**Joe**     famous blogger, throws room parties

# Which roommate?

**Alice**     course 18 TA, likes cats

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# Concepts & Challenges

## Concepts

**Preference:** an opinion on a living condition

**Dorm:** living location that limits living options

## Challenges

**Preference matching:** ranking algorithm

# Risks

- Complexity of ranking algorithm
- Number of preferences
- Changes in dorm info
- User honesty