Homestay App Specification

Types

Base classes from requirement's class diagram:

[Admin, Profile, File, DateRange, Pet, FamilyStructure]

The System

The system must hold a schema by itself with the purpose of declaring its elements as well as its invariants:

Actors

```
\_STUDENTS \_\_
students: \mathbb{P}\ Profile
pet_preference: Pet \to \mathbb{N}
family_structure_preference: \mathbb{N} \to FamilyStructure
allergies: \mathbb{P}\ Allergie
```