

Rev-Socia

The **UML class diagram** shows the relation between several **entities in the project**.

The **base class** Person captures common **attributes** describing all users of the system. The Person **class** contains attributes such as id (which uniquely identifies a Person's record), username, password, firstName, lastName, dateOfBirth, role, email, and phone.

Reviewer , Reviewee and Admin classes **inherit** attributes from Person, capturing additional, more specific, attributes related to that class only. We say that Person is a more general form, or a **generalization** of different users in the project. The inverse is also true, that is, admin, reviewer and reviewee are special cases of a person, or they are **specializations**.

Reviewer class captures attributes such as rank and points earned by reviewer.

Reviewee captures attributes such as work submitted for reviewing.

Roles:

- Reviewer
- Reviewee
- Admin
- Anonymous User

Domain Objects:

- Work (Submitted by a user for review)
- Product (fetched from api)

One To Many Relationships:

- Reviewee To Work

If a user (reviewee) wants some type of feedback or review on his/her work. He/She can submit the work and can select reviewer for his/her work. Work is a weak entity here.

Many To Many Relationships:

- Reviewer To Work

A reviewer can review multiple work (for which he was selected by the reviewee). Similarly a work can be reviewed by multiple reviewers.