2.2 Persons

The *persons* module is responsible for maintaining demographic information about the persons (researchers) themselves, some of which may be users of the system and others not as well as groupings of persons into research groups.

2.2.1 Scope

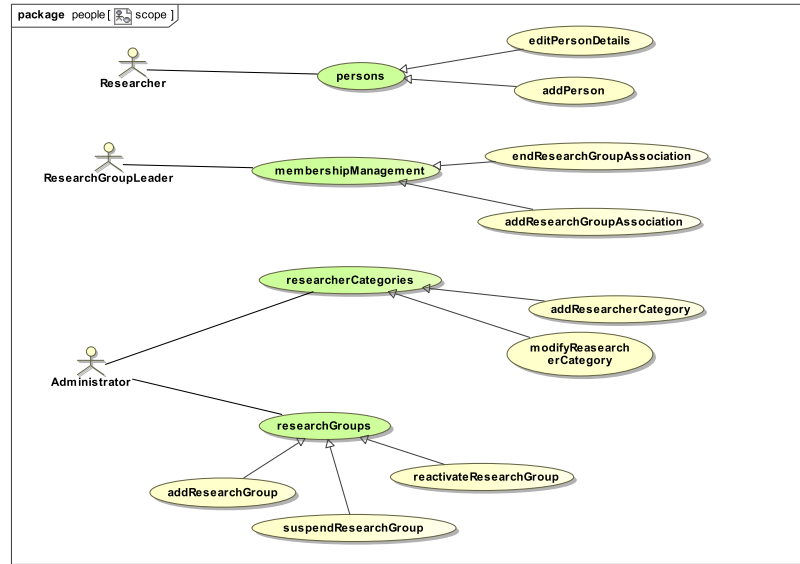The scope of the *persons* module is shown in figure 15

Figure 15: The scope of functionality required from the persons module.

The scope of the persons module includes

- adding persons and modifying their details including the researcher category a person is assigned to,

- adding groupings of persons into research groups as well as grouping groups into higher-level groups,

- defining and changing group memberships of persons, and

- creating and modifying researcher categories with associated research output targets.

2.2.2 Domain model

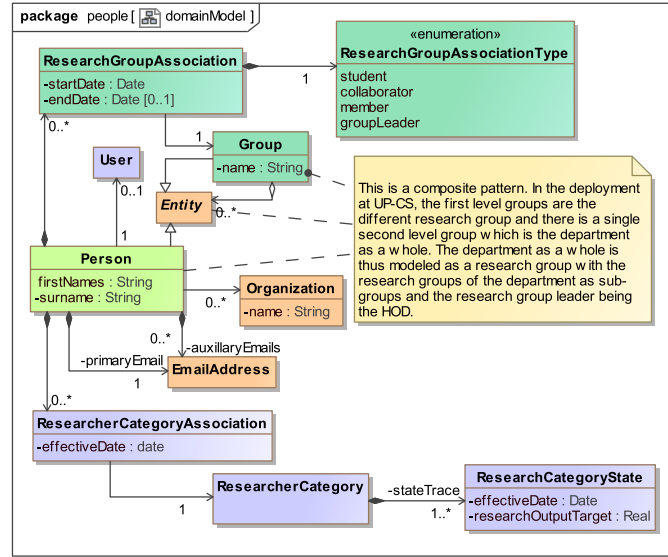The domain model for the `persons` module is shown in Figure 16.

Figure 16:

Each person has first- and surnames, an optional email address and zero or more associations with organizations. In addition each person can have multiple associations with research groups. Each research group association is a role which a person plays within a research group and has a start-date as well as optionally an end date. Hence, over time a person may change from becoming a student member to a staff member and may change his or her affiliations with research groups. The full affiliation history is maintained by the system, i.e. one will be able to determine for any point in time, which research group associations a person had.

For performance tracking, researchers may be associated to a `ResearcherCategory` which has at any point in time a `researchOutputTarget`. The target may vary over time and the system maintains a state trace for any researcher category through which one can determine the state and hence the target outputs at any point in time. When the target output for a researcher category changes a new `ResearcherCategoryState` frame is added with the new effective date and the previous state frame lapses on the effective date of the new state frame.

16