**AddressBook**

**Operational Contract:** **createPerson**

Operation: createPerson(id: int, name: String, address: String, postalCode: int, city: String, phone: String)

Cross reference: Use Case: Handling of Address Book

Preconditions: None

Post conditions:

-An instance of Person is crated (instance creation)

-A Person is stored in the ArrayList<Person> in the Address book (association formed)

**Operational Contract: getPerson**

Operation: getPerson(id)

Cross reference: Use Case: Handling of Address Book

Preconditions: Person exists in the ArrayList<Person>

Postconditions:

- person.getPerson(id) – information about the person chosen is given

**Operational Contract: updatePerson**

Operation: updatePersonAddress(searched: int, address: String)

updatePersonCity(searched: int, city: String)

updatePersonName(searchId: int, name: String)

updatePersonPhone(searched: int, phone: String)

updatePostalCode(searched: int, postalCode: int)

Cross reference: Use Case: Handling of Address Book

Preconditions: The Person object has been found in AddressBook

Postconditions:

-person1.updatePersonAddress(searched: int, address: String) – address modified (attribute modification)

-person1.updatePersonCity(searched: int, city: String) – city modified (attribute modification)

-person1.updatePersonName(searchId: int, name: String) – name modified (attribute modification)

-person1.updatePersonPhone(searched: int, phone: String) – person modified (attribute modification)

-person1.updatePostalCode(searched: int, postalCode: int) – postal code modified (attribute modification)

**Operational Contract: removePerson**

Operation: removePerson(id: int)

Cross reference: Use Case: Handling of Address Book

Preconditions: The Person object has been found in the AddressBook

Postconditions:

- person1.removePerson(id) – person is removed from the AirrayList<Person> (association formed)