

```
/**
 * A person has a name, which is not necessarily unique.
 *
 * @mathmodel n : String
 * @constraint n != ""
 * @initially Person() ensures n = "Baby Doe" <br />
 *   Person(String name) ensures n = name
 */
public interface Person {

    /**
     * Changes the name of this person.
     *
     * @requires name != ""
     * @param name
     *         the new name of the person
     * @ensures n = name
     */
    void rename(String name);

    /**
     * Displays identifying information of this person.
     *
     * @return a String containing identifying information related to the name
     *         of the person
     */
    String getName();

    /**
     * Displays identifying information of this person.
     *
     * @return a String containing identifying information related to the name
     *         of the person
     */
    String showInfo();
}
```