

Cycle 3 Requirements

Numbers in bold indicate top priority for this cycle.

Functional Requirements:

1. The system shall have an adequately extensive set of tests that ensure the system works as expected.
2. The system's tests shall at least try to be as encompassing as possible.
3. The system shall allow the user to update existing relationships (familial and/or partnering) between existing persons, once more details are discovered (such as additional partners, who their father was, etc.). **(NOT IMPLEMENTED)**
4. The system shall allow the user to record any new children either during the creation of a new partnering relationship or updating an existing one.
5. The system shall allow the user to record any new children either during the creation of a new familial relationship or updating an existing one.
6. The system shall be able to determine if two people are related through recognition of a common ancestor. **(NOT IMPLEMENTED)**

Non-functional requirements:

1. The system shall be built using Java 11 (at a minimum).
2. The system shall be developed using the IntelliJ IDE.
3. The system shall be connected to the team's GitHub repository.
4. The system shall be broken up into different modules (such as classes) to allow team members to work on different parts simultaneously. These separate, working parts will all piece together in the end to create the final product.
5. The system shall be refactored and broken up into as many different pieces as possible to allow for easier test writing.
6. Classes shall be broken up into different methods, and these different methods will be worked on by various members of the team.
7. Any work done by each member shall be done on their own branch, and upon pushing their changes, will create a pull request, where the rest of the team can inspect and audit their code.