

CSCI 3901 - FINAL PROJECT

MILETONE 4:

IMPLEMENTATION REPORT IN RELATION TO EARLIER PLAN; GIT
SUBMISSION SHOWING SOME PROGRESS ON IMPLEMENTATION

Index

- Progress in Implementation
- Future plan of Action
- Updated feature development
plan table

Progress in Implementation:

1. Family Tree Management
According to the earlier plan, methods like addPerson, recordAttributes, recordReferences, recordNotes, have been completed and are able to store data in the database.
Validation for the input is still pending for these methods.
2. Media archive management
According to the earlier plan methods for media archive management have been made and are able to store data in database.
3. PersonIdentity, FileIdentifier, and BiologicalRelationship class have also been implemented, which consists of getters and setters.
4. According to the earlier plan the tree building part is remaining, which would be used to in the reporting section. For the tree building part, I have implemented a tree data structure using arrays and vector. With the help of this, relationship and ancestors and descendants for single root tree is working.

Future plan of Action:

1. Currently working on solving the multiple root problem, i.e., when one child has more than 1 parent recorded.
2. Next step would be working on the reporting, and try to build a more efficient Entity relationship, for returning appropriate information in the reporting part.

Table 1: Updated Feature development plan

Timeline	1 st December – 4 th December	6 th December – 9 th December	10 th December- 14 th December
Features	Tree Building for multiple roots	Validation for all inputs	Other test cases
	Reporting direct methods from family tree and media	Reporting where more than one tables are involved and where queries are required	Testing plan, using menu based or Junit tests.
	Database normalization		