Implementation report

1. Create conceptual, logical and physical models for storing the family tree information and media entities.

Tasks	Entities	Tools	Status
Design conceptual/logical model	person, person_attribute, note, reference, partner, parent_child, media, media_attribute, people_media, tag	Draw.io	Completed
Design physical model: Define tables and column constraints		MySQL Workbench	Completed
Design physical model: Develop ERD, Normalize using iterative approach, Forward engineer the model			Completed
Integrate Genealogy database with the java code	NA	Java, Eclipse, MySQL connector	Completed

2. Work on the java classes.

Tasks	Status
1. Create a class called Geneaology implementing above interfaces. 2. Implement FileIdentifier class. 3. Develop SQL queries for adding media, recording media attributes, and tagging media. 4. Implement methods for storing media information in the database: • addMediaFile • recordMediaAttributes • tagMedia	Completed addMediaFile tagMedia Pending recordMediaAttributes
1. Implement PersonIdentity class. 2. Develop SQL queries for adding person, recording person attribute, recording reference and recording note. 3. Implement methods for storing an individual's information in the database: • addPerson • recordAttributes • recordReference • recordNote 4. Implement the peopleInMedia method.	Completed addPerson recordReference recordNote peopleInMedia Pending recordAttributes

1. Implement data structure for storing family tree hierarchy 2. Develop SQL queries for recording child, recording partner, and recording dissolution. 3. Implements methods for defining relationships in the database and in the memory: • recordChild • recordPartnering • recordDissolution 4. Implement methods to retrieve information from the database to build a family tree hierarchy.	Completed recordChild recordPartnering recordDissolution
1. Implement methods to find the most recent ancestor in the family tree 2. Develop SQL queries for finding a person, finding a media file, finding name, and finding a media file. 3. Implement reporting functions: • findPerson • findMediaFile • findName • findMediaFile • findMediaByTag • findMediaByLocation • notesAndReferences	Completed findPerson findMediaFile findName findMediaFile Pending findMediaByTag findMediaByLocation notesAndReferences
1. Implement reporting functions • findRelation • descendents • ancestors • findIndividualsMedia • findBiologicalFamilyMedia	Completed findRelation descendents ancestors Pending findIndividualsMedia findBiologicalFamilyMedia