Introduction

The “Team M” is tasked with creating a genealogy application or better known as an Family tree Application We are required to use java programming language so that we may produce an application that reads, adds, sorts & stores familial data to later be viewed in a search. The program should not store duplicates and should read relational data. The major test of success is that the Search values provide the correct data correlation.

Requirements ID will correspond to Team M Requirements/Use Cases Document

ReQ ID	Requirement	Description	Priority
Non-Functional 1	Git	VCS-Team development requirement	High
Non-Functional 1	IntelliJ	Required to use as IDE tool	Low
Non-Functional 1	Java 11	Version of at least 11 is required	Medium
Functional 1	Search function	Search for a person via first and last name	High
Functional 2		Find grandparents of a specific person	low
Functional 8		Find people of a specified relationship	medium
Functional 3	Non-Duplication	Determine existing information.	High
Functional 4	Add Data	Add a person to the app	High
Functional 5	Save Data	Collect information on each family	High
Functional 6		Record the start and end dates of a partnership	High

Functional 7	Store Data	Record children in a new or existing partnership	High
Functional 9	Compare linked data	Determine if two people are related (they will have a common ancestor somewhere “up” in their family tree)	High
Functional **	Non-Terminal visuals	Provide data outside of IDE Terminal	medium
Non-Functional 2	Architecture/Design	Structure the system so that the user interface is separate from the logic and searching functions	medium
Non-Functional 3		Have a well-structured functional decomposition of the app into separate parts. This decomposition should support separate development of key components by individual programmers.	low