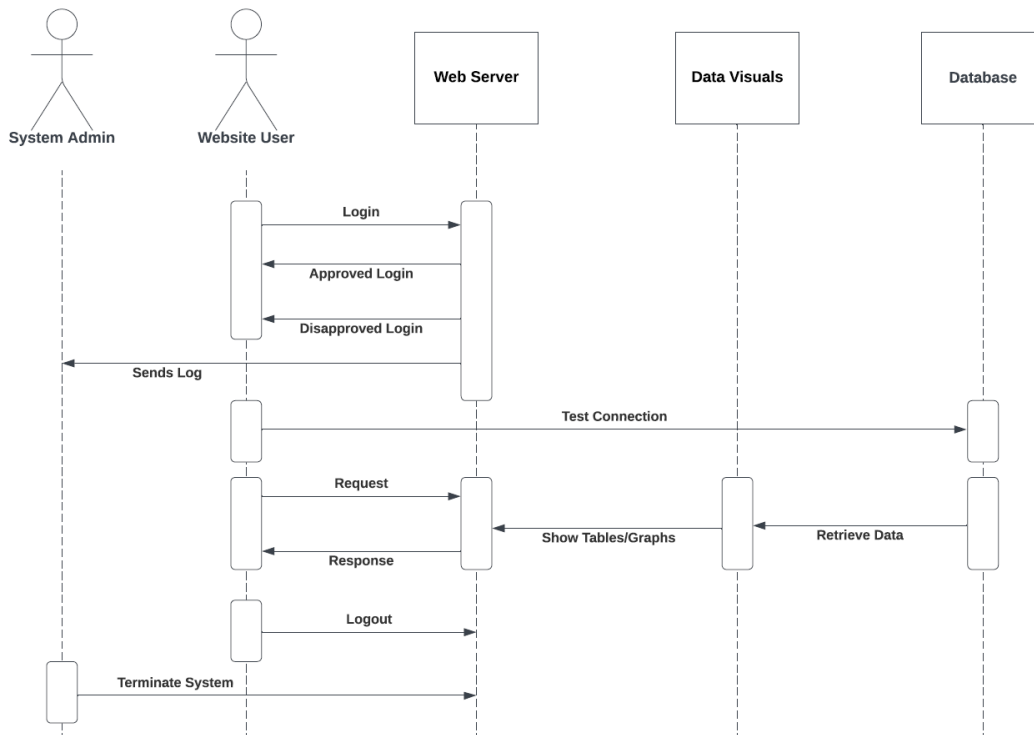# ESOF 322: Project 1 - Cold Case Database

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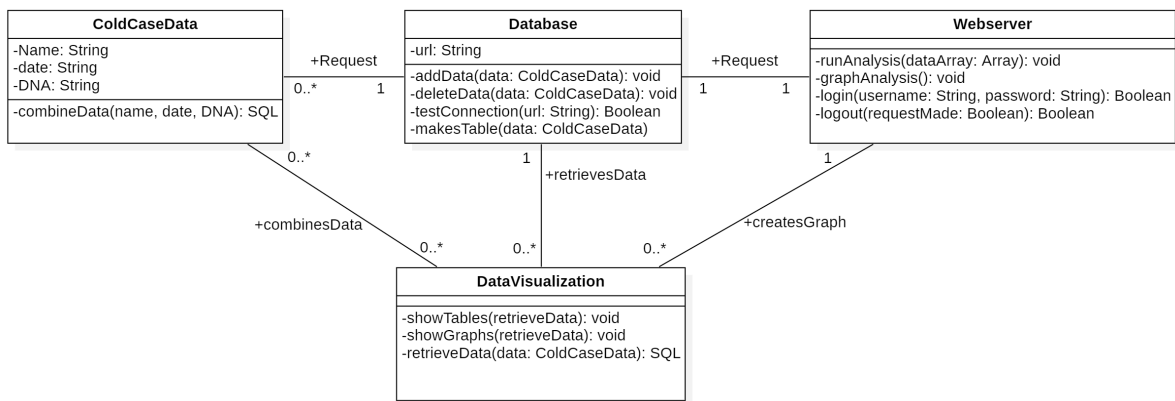

Definitions:
Request - manipulate data, add data, delete data
Responce - request was accomplished

Figure 1: Sequence Diagram for Cold-Cases Database system.

Author: Fletcher Philips

ColdCaseData
-Name: String
-date: String
-DNA: String
-combineData(name, date, DNA): SQL

+Request
0..*   1

Database
-url: String
-addData(data: ColdCaseData): void
-deleteData(data: ColdCaseData): void
-testConnection(url: String): Boolean
-makesTable(data: ColdCaseData)

+Request
1   1

Webserver
-runAnalysis(dataArray: Array): void
-graphAnalysis(): void
-login(username: String, password: String): Boolean
-logout(requestMade: Boolean): Boolean

0..*

+combinesData

1
+retrievesData

1
+createsGraph

0..*   0..*   0..*

DataVisualization
-showTables(retrieveData): void
-showGraphs(retrieveData): void
-retrieveData(data: ColdCaseData): SQL

Figure 2: Class diagram for the Cold-Cases Database system.