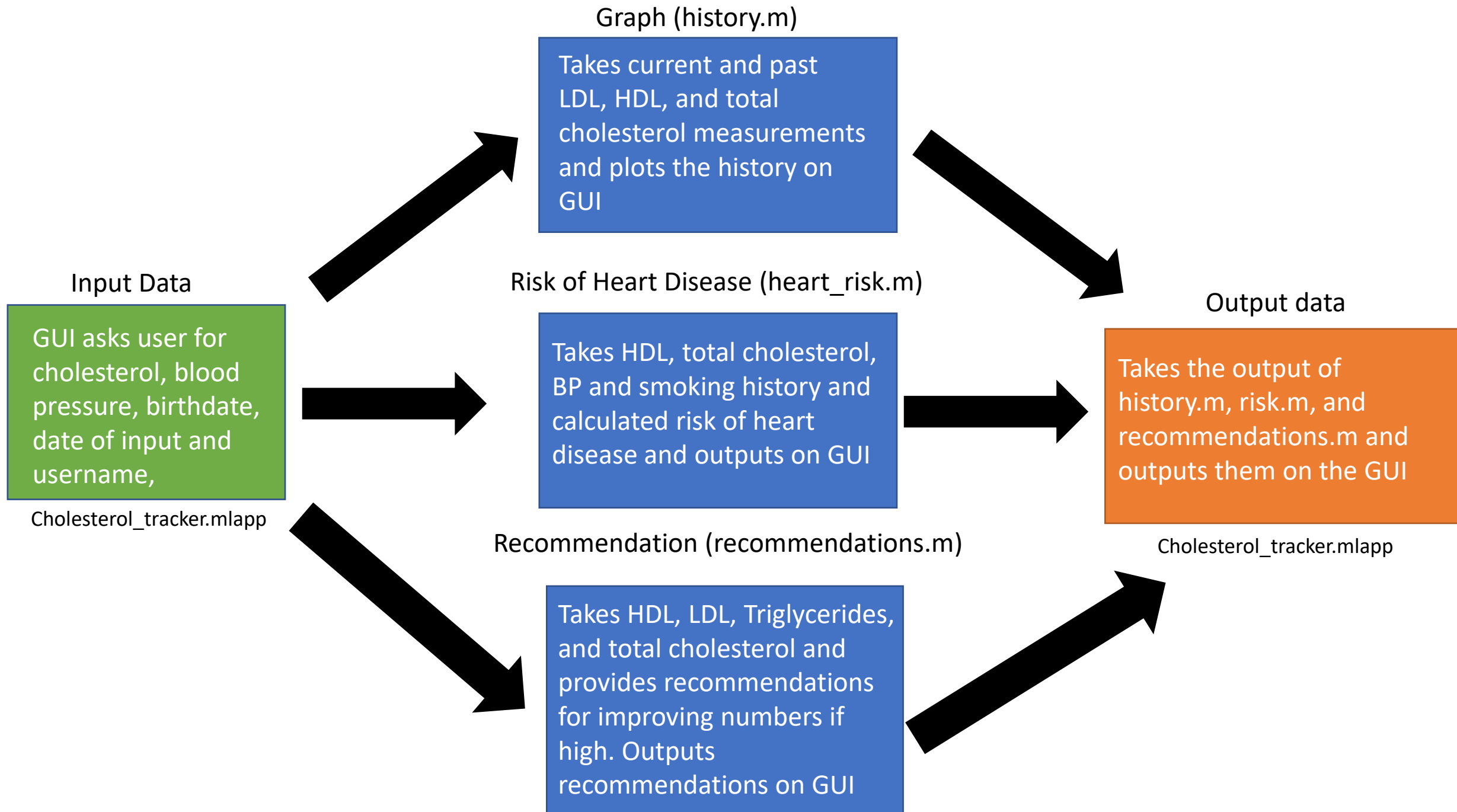


Project Design: Cholesterol Tracker

Jess Baggett, Grace Fan, Majo Garcia



Database Schema

- Table names will be the usernames
- Fields: will be the inputted data regarding cholesterol and BP
 - Gender: varchar
 - Input Date (found via birthdate and elapsed time): date
 - LDL, HDL, total cholesterol, Triglycerides, systolic BP, Diastolic BP: numeric

Function Name	Primary Author	Input	Output	Purpose
Cholesterol_tracker	Jess Baggett	Username, Gender, Birthdate, LDL, HDL, total cholesterol, triglycerides, BP, diabetes, and smoker	Graph of cholesterol history, summary of cholesterol levels (low, high, or normal), and recommendations if cholesterol is high.	Take user data and output results
History.m	Grace Fan	LDL, HDL, total cholesterol, & BP	Cholesterol history and results	Stores new data with old data in database and organizes data so it can be graphed in GUI. If user is new will create a new table in database
heart_risk.m	Jess Baggett	LDL, HDL, total cholesterol, BP, smoker, age, and diabetes	Risk of developing heart disease (%)	Determine user's risk of heart disease based on input data
recommendations.m	Majo Garcia	LDL, HDL, total cholesterol, triglycerides	Will say if cholesterol is high, low, normal and provide recommendations	Provide user with helpful feedback and ways to improve cholesterol numbers