Project Proposal

Project subject: Family/Household budget and expenses.

Project team members: Pham Thanh Tung and Sabalin Larisa.

Trello: Java 3 Project Team Larisa_Tung

Github: https://github.com/loritta/Family-Household-budget-and-expenses..git

Or

https://github.com/tpham20908/FamilyBudgetExpenses.git

Description: The project will have the purpose of collecting the information from the user on the expenses and the income at a given moment.

Initially a login/signup window will be promoted that will further lead to a window of operation choice (add expense, add income and go to reports).

For now the budget will be based on monthly statistics, but an option of manually entering it will be given for each individual (not sure if we will have time to add this part until Wednesday). The total household budget will be calculated based on individual budgets.
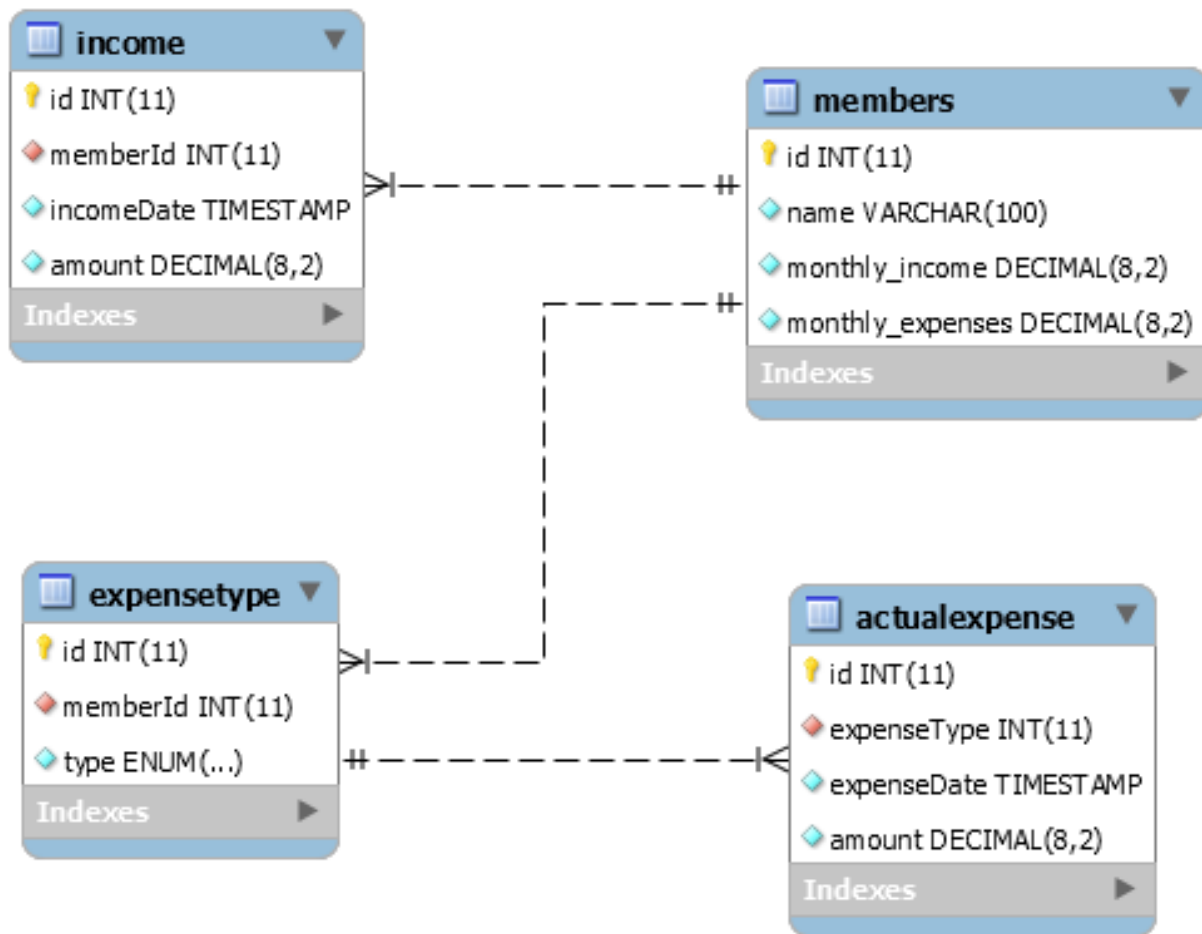
An option of seeing the reports based on the data will be given. For now it will be a general expense vs budget per month report. Further, more features can be added.

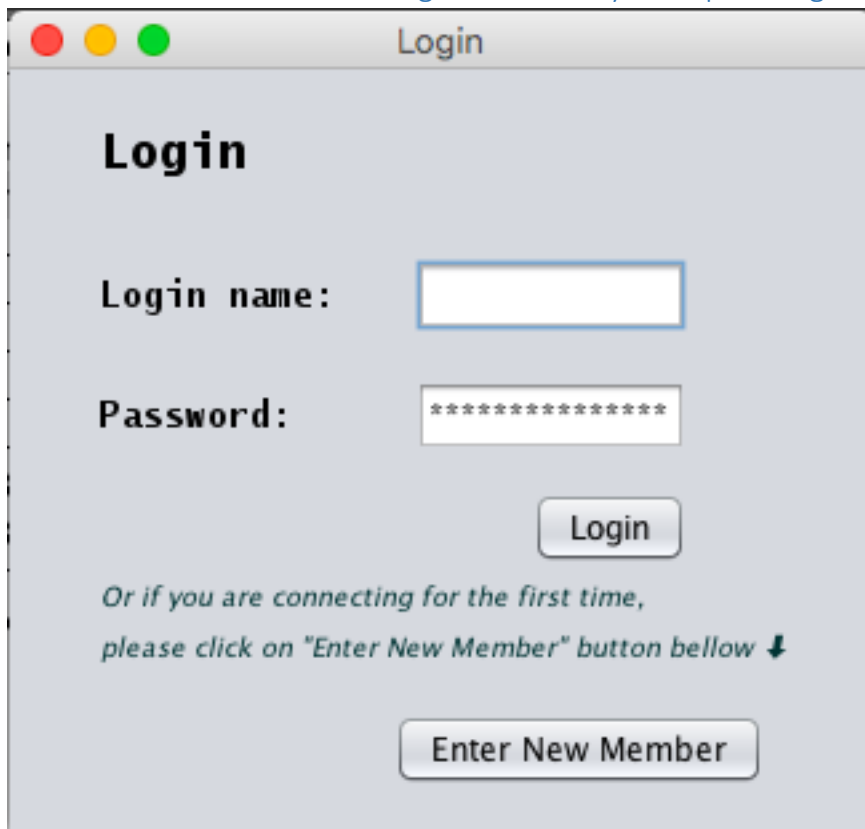An option of saving to a pdf file a report will be given.

List of technologies, libraries, components used (bullet points):
- JAVA, JDBC, Swing
- MySQL, Gearhost
- Git, github
- Trello

Database structure - screenshot or hand drawing (UML diagrams with relations):

income
- 🔑 id INT(11)
- 🔶 memberId INT(11)
- 🔷 incomeDate TIMESTAMP
- 🔷 amount DECIMAL(8,2)
- Indexes ▶

members
- 🔑 id INT(11)
- 🔷 name VARCHAR(100)
- 🔷 monthly_income DECIMAL(8,2)
- 🔷 monthly_expenses DECIMAL(8,2)
- Indexes ▶

expensetype
- 🔑 id INT(11)
- 🔶 memberId INT(11)
- 🔷 type ENUM(...)
- Indexes ▶

actualexpense
- 🔑 id INT(11)
- 🔶 expenseType INT(11)
- 🔷 expenseDate TIMESTAMP
- 🔷 amount DECIMAL(8,2)
- Indexes ▶

Screenshots of all the meaningful windows you're planning in your project 3-5 of them:

Login

Login

Login name: [   ]

Password: [****************]

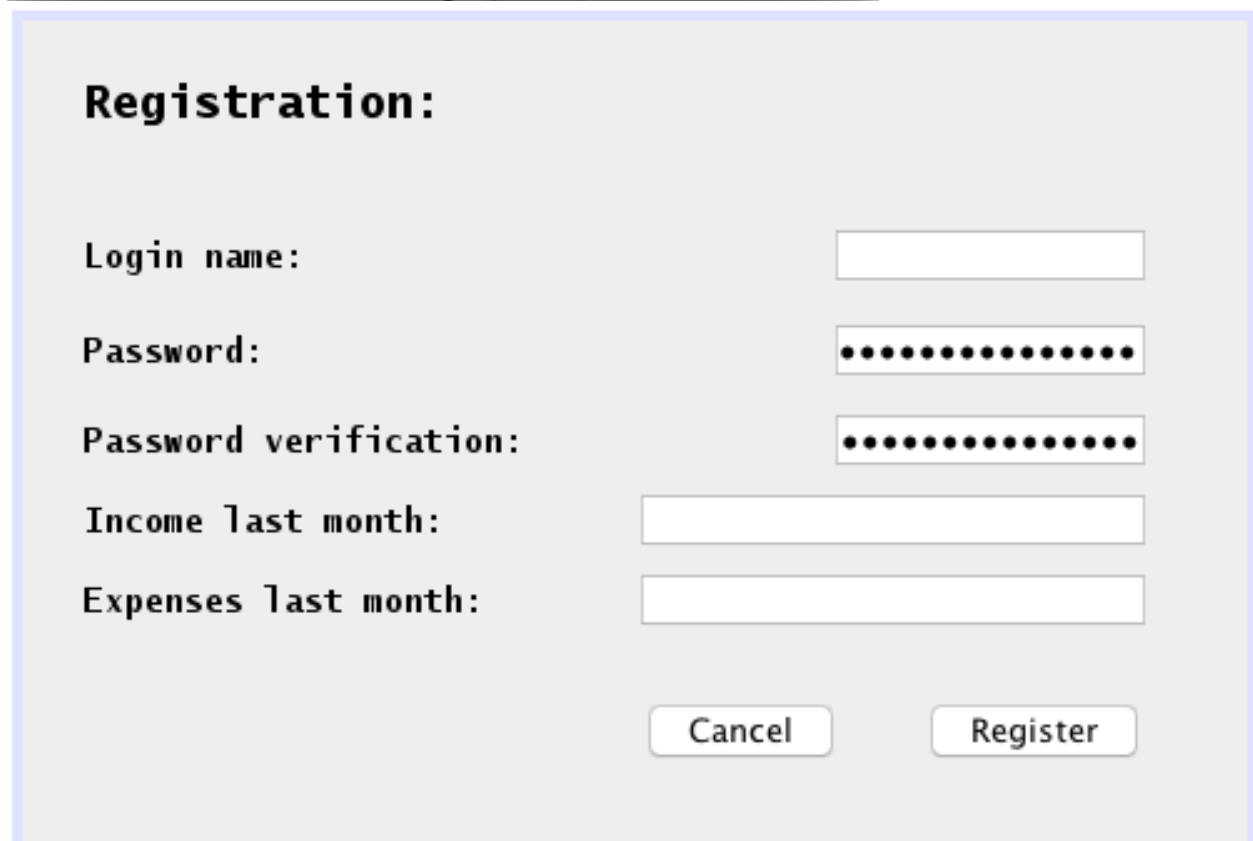[Login]

Or if you are connecting for the first time,
please click on "Enter New Member" button bellow ⬇

[Enter New Member]

Registration:

Login name: [   ]

Password: [••••••••••••••••]

Password verification: [••••••••••••••••]

Income last month: [   ]

Expenses last month: [   ]

[Cancel]   [Register]

Welcome

name here

What would you like to do today?

[Add Income]

[Add Expenses]

[Go to Reports]

[See budgets]

[See expenses]

[See incomes]

[Cancel]

Operations   Export   Exit

Registering Income:

Name   ...

Amount   [   ]

[Save]

Status

Registering Expenses:

Name   ...

Amount   [   ]

On what?   [Item 1   ⌄]

                  [Save   ]

Status

Reports:

Total Household Expenses for the month: ...

                                    [Details]

Total Household Income for the month: ...

                                    [Details]

Budget vs Expenses per Household: ...

                                    [Details]

Household members information:

| Item 1 |
| Item 2 |
| Item 3 |
| Item 4 |
| Item 5 |

Status

All the SeePages will have this design--- to work it a bit more:

Operations   Export   Exit

Item 1
Item 2
Item 3
Item 4
Item 5

Status