

# ***Car Dealer***

## **Short description:**

The scope of the project is to manage a cars dealing business run by a car dealer entrepreneur. The application created in Python language that uses Tkinter library is a GUI application that can perform the following functions: buying/selling cars, store cars and potentials customers in tabels. Other options will be developed in future version of the application.

The application has some additional functions as: resize the tables where customers and cars are inserted in, question the user when want to exit to have the chance to change his mind and it uses scrollbar window and submenus.

To make the application useable and to not loose data when closing it all registrations as car sold, employees hired or services informatios, all of these are stored in a database in different tabels. The database can be access locally.

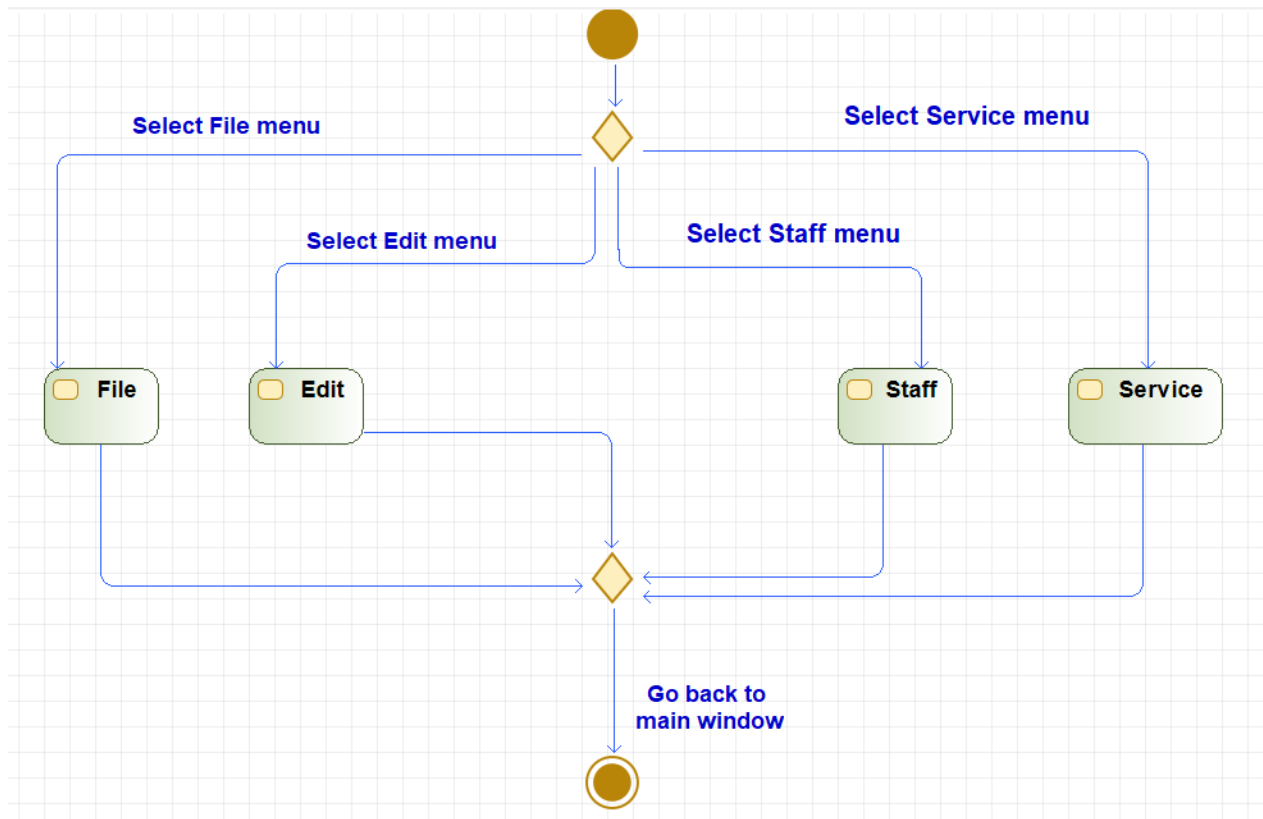
To the current version of the application was added some new features as staff management that implements functions for: hire/fire employees and list the staff in a window table. Also a service menuis now available to the user to assure options as: add in service a new car, remove or search in service.

The source code is partitioned in multiple files to be easier to follow and make changes. There is an 'imports.py' file where all librarys and the other python files are imported. The source code can be found in 'Python files' folder. Along this folder there is another folder 'Text files(pseudocode)' containing the pseudocode version of the source code for all python files. To run the application it's needed to be installed a newer version – Python 3.10.2 was used, but the newest version can be downloaded at <https://www.python.org/downloads/>. Also for accessing database it was used XAMPP app, a cross platform application that uses mysql for databases.

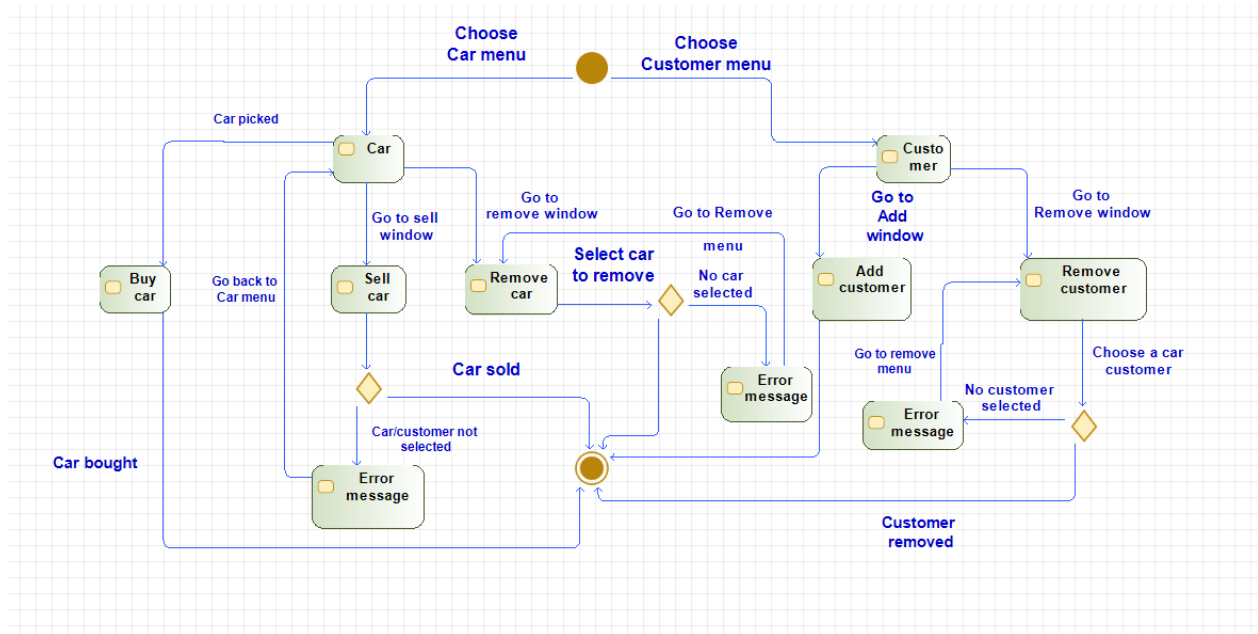
XAMPP can be downloaded from <https://www.apachefriends.org/download.html>, in case it is not installed on your personal device according to your OS.

Activity diagram:

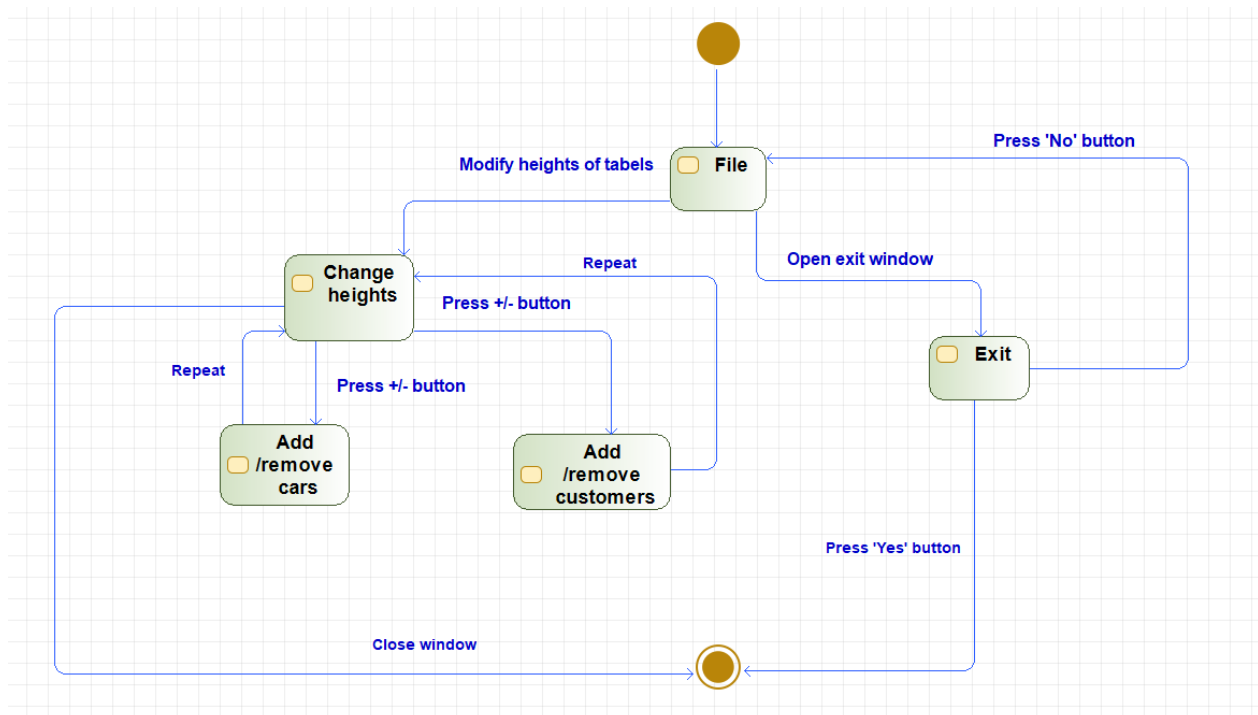
**Main diagram:**



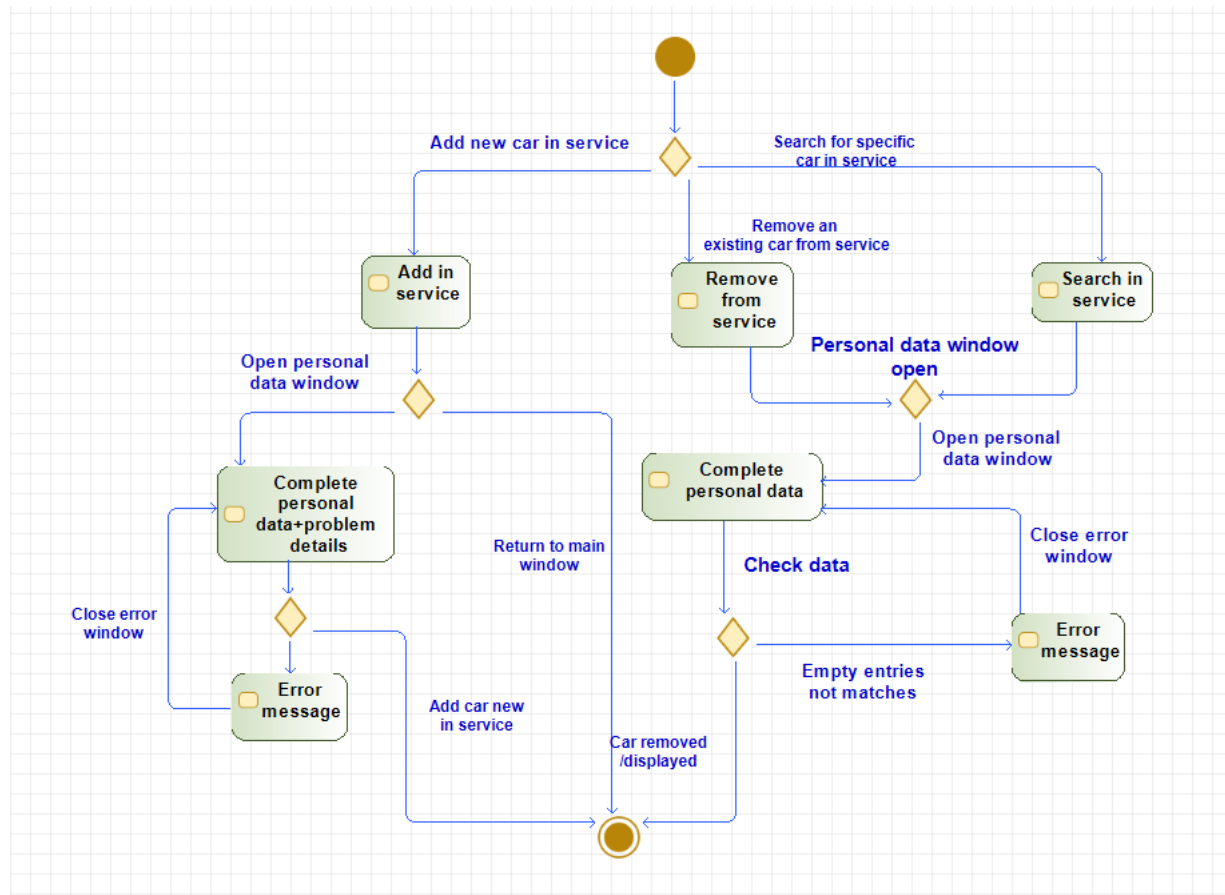
**Edit diagram:**



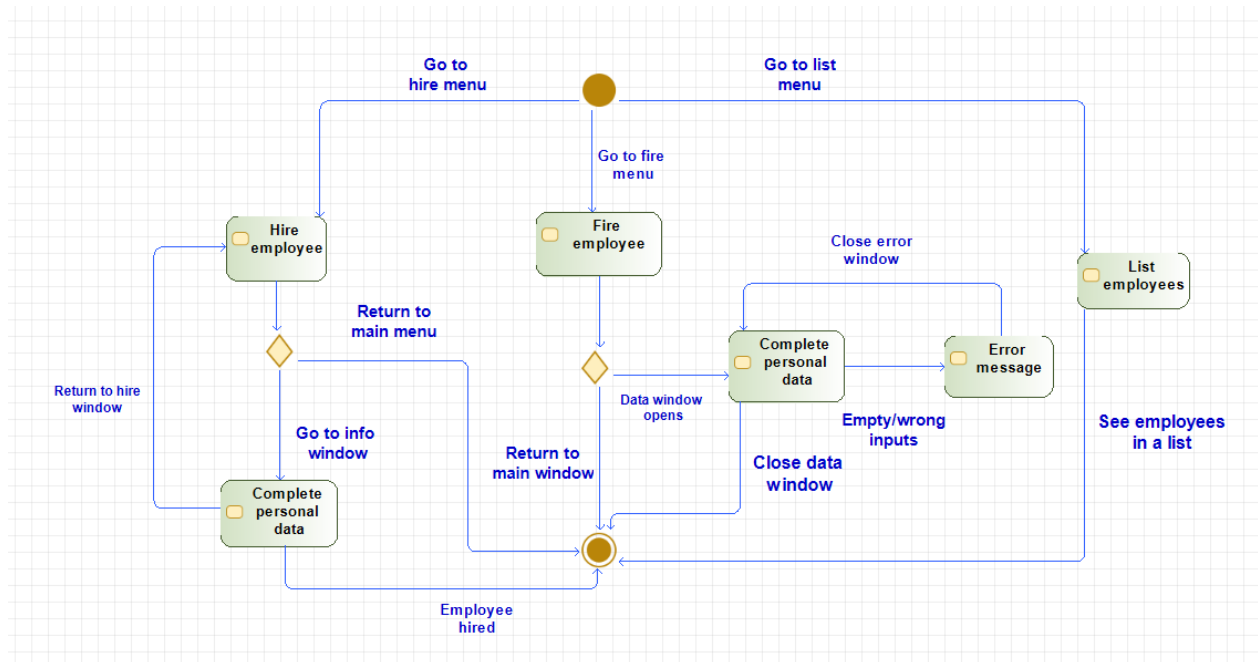
## File diagram:



## Service diagram:



Staff diagram:



### Observations:

- Database need to be open from XAMPP app.
- In folder 'SQL tables' there are the tabels use in applications. They need to be imported in data base.
- The database will be named 'car dealer'.
- To run the application open 'car\_dealer.py' script from 'Python files' folder.