

# Assignment: Fast And Furious

Develop an application which will show a list of sports car in UI. Application should have login prompt before displaying car list. Selecting an element in the list should show detailed description of a sports car.

## Server module

- Design a RESTful api for server side implementation
- Server should read user/password and sports car information from database (mysql)
- Server should expose credential checking
- Server should expose list of cars and details information for each car
- Data model should be exposed by json or XML
- Server module should be implemented using java technology

## Client module

- Develop a client side app which will display login prompt initially.
- If user is authenticated by server then app will go to “Sports Cars” view.
- Once a user is logged in, login UI should not appear if app is started again. App should keep some data of last logged in user to ensure this behavior.
- Client will fetch list of sports cars from server and display them in list of “Sports Cars” view.
- When user will select an item in the list, it will show the details of the car in a “Car Details” view.
- List of cars should be cached so that app can show sports cars when there is no internet connectivity/server down/network problem.
- User can refresh the list of sports car for updated car list to server (online).If app is connected with the internet then fetch data from server.
- In case of offline refresh list will fetch data from cache.
- Log out option should be available in the app

## Notes

- Improve code by refactoring where needed
- Apply Object Oriented principles
- Use MVC or any other suitable design pattern if needed
- Follow a coding convention if possible.
- Use a SCM like git or mercurial
- Revision history is important