

# First Semester | Ending Project

For the two projects, the frontend should be an Angular app, and the backend should be a NodeJS + Express app that stores data into a MongoDB database.

You must send put your project on a git repository and send it back to your Javascript master before **1:00 PM 12/21/2017**.

## First choice project

The first project consist of a **Shopping app**.

The app should have those features:

- display the list of products
- the possibility to add items to a cart and save it for later checkout
- view the cart, the total price, and have possibility to delete/add quantity products to the cart
- a create account / login page that allows users to create an account and login

If a user is logged in and has a cart, the cart should be stored in database, so the user can be able to retrieve his cart when he logged in again.

If no user is created, the cart should be stored in local storage.

### Optional part

- make the payment operation (fake payment operation). Send it through API and save the client order. (must be logged in)
- display the last orders of the user. (must be logged in)

## Second choice project

The second project consist of a **Notepad app**.

The app should have those features:

- create an account
- login to the app
- display the list of notes sorted by date (desc)
- possibility to create a new note
- possibility to edit a existent note
- possibility to remove a note

A note must have at least those information: a title, a content, the creation date, the last update date. All CRUD operations must be done through an API and stored in database.

### Optional part

- the app should have the possibility to link notes to some categories. To do that, users should have possibility to do CRUD operations on categories.

*'If you want something you've never had, you must be willing to do something you've never done.'*