

1/ Building a Restful CRUD API with Node.js, Express and MongoDB “Create (register user), Read (login, get profile), Update, Delete”

2/ Create a sample Web application that call the API's and deal with the responses

- user data is stored in MongoDB, with the passwords hashed (you can use mlab.com).
- the Express API generates a JSON Web Token (JWT) upon registration or login, and passes this to the Web application.
- the Web application stores the JWT in order to maintain the user's session.
- the Web application checks the validity of the JWT when displaying protected views(ex profile page).
- the Web application passes the JWT back to Express when calling protected API routes.

3/ Create an API with express that execute the Python script and return the output (show the results in profile page).

4/ Create an API that read and render the CSV file content,display this data in a table (frontend),Sort and Filter the Table and add pagination (server side rendering).

5/ Building a Profile Photo upload service with drag and drop feature.

6/ Create a Newsletter module that send periodic email automatically to the user with random generated id (Length = 128 / Symbols,Numbers,Lowercase Characters,Uppercase Characters) :

user is able to activate/deactivate the service and schedule the interval (ex: every day @ 8 am or every 3 hours).