

# Assignment 1

- Develop a Node.js-based API for data persistence.
- Prototype standard.
- CA percentage: 50% (25% overall inc. written exam)
- Deliverables:
  - Github repository or equivalent
  - A suitable README.md file or equivalent.

# Assignment 1 – Folder structure

(Based on lab apps)

- *baseFolder*
  - *myApp*
    - *App.js*
  - *api*
    - ....
  - *node\_modules*
- [ Alternative structure acceptable if using tools, e.g. Yeoman]

# Assignment 1– Grading spectrum

- Pass (40-50%) – Simple HTTP service with simple, single file NodeJS service. Basic persistence.
- Good (50-60) – Well designed Web API design mapped to proper routing modules in an Express application. Good separation of concerns in JavaScript files. Persistence using cloud-based service.
- V good (60-75) –Dependency/package management for application (config.json). Accepts and returns more than one representation of a resource. Use of other third party node modules (NPM).
- Excellent (75-85) – Security implemented
- Outstanding (85-100) – Fully highly available solution. Use of caching. Use of Automation tools for testing/packaging/deployment (e.g. yeoman).