

# Assignment 2

- Extend Assignment 1 with an enhanced Node.js-based API including data persistence.
- Prototype standard.
- CA percentage: 50%(25% of overall mark)
- Deliverables:
  - Git repository.
  - Set of slides describing the service

# Assignment 2 – Grading spectrum

- Pass (40-50%) – Simple enhancement to HTTP service with simple, single file NodeJS service. Basic API design.
- Good (50-60) – Complex Web API design mapped to routing modules in an Express application (e.g. Use of collections within collections). Deployed to public, external server(e.g. Heroku/AWS).
- V good (60-75) – Effective Use of messaging. Increased business logic in Service(e.g. custom validation, business rules). Use of more than one service/process to accomplish overall system objective. Comprehensive adherence to microservice characteristics. Testing and coverage
- Excellent (75-85) – Use of Build/Scaffolding and Automation tools. Mocking if database in unit testing.
- Outstanding (85-100) – Fully highly available solution. Use of caching. Use of Automation tools for testing/packaging/deployment.

# Assignment Submission

- 15 minute presentation and code review during study week (Date TBC).
- GitHub repository submitted via Moodle assignment link. Deadline 29th April.