# 15-710-866

**Date:** 27.03.2022

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**Keywords:** Architecture, Concept, Branching Policy, NestJS Server Setup, Web-API, API Implementation

**Overall Progress:** 3

**Activities completed:**

- US1a: Project setup for Nest.js Web-API [together with Michael Blum], configuration and extension for endpoint which makes two azure function calls

- US1b: Extended endpoint to accept a language parameter which will be passed along to the subsequent function call (predict function)

- Added client-facing API request validation so that invalid requests trigger an error with understandable error message

**Current activities:**

- US3a: Research where and how to store the lexed data (most likely CosmosDB), finalizing decision, document and then setup for the next deliverable (to be done before 31.03.2022) [together with Michael Ziörjen]

- Evaluate (integration) test setup for web api, project setup and add tests to be included in the next deliverable (done before the due date of deliverable 2)

**Goals or Activities for next deliverable:**

- US3a: Implement the storage of the lexed data, split training and test data (required for US3b) in the process

- Setup the database and configure the lexing function accordingly

- Implement the storage of the lexed data, split training and test data (required for US3b) in the process

- Set up testing for the webserver, add integration test(s) for the syntax highlighting

- Update the current API design and implementation of open API or similar using Swagger for the client facing API server, which is based on Nest.js.

**Immediate attention:** -

**General remark:** Unfortunately, together with two other group members, I got Covid-19 around the middle of the sprint and was out for some time. Initially, we created multiple repositories for the different functions and services, we later then merged them together into one mono repo, so that we can automate the deployment process more easily and have much easier code reviews based on one merge request and one feature branch (instead of multiple branches and merge requests for the same feature).