

15-532-302

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Keywords: General Azure Set-Up, Predict function incl. deployment to Azure, Sprint Project Leader, Project Management, Branch Policy & Architecture Topics

Overall Progress: 3

Activities completed:

- US1a: prediction function for java implemented
- US1b: prediction function for kotlin/python3 implemented
- US2a: prediction function for incorrect/incomplete code implemented
- Setup github workflow for automatic deployment of the predict function
- Implemented unit tests for predict function

Current activities:

- US3a & US3b: Together with Nicola I am currently verifying if our proposed architecture for the training of the model is still the way to go and how to extend the existing code in a good manner.
- Finding out a smart way to get/fetch a lot of raw code data to train the model afterwards for testing purposes.
- Research about how large a data batch must be for an optimal training session of the deep learning model

Goals or Activities for next deliverable:

- US3b: fine-tuning of the syntax highlighting model. Finish, deploy and build on US3a s.t. the model can be trained via Azure Functions. I doing this together with Nicola

Immediate attention: -