

15-716-954

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Keywords: Model update, performance improvement, refactoring, bug fixing

Overall Progress: 3

Activities completed:

- US5: Optimized prediction service to store and load models in the memory instead of relying on files stored on the disk.
- Refactored prediction service tests so they can be run independently (no side-effects anymore).
- Fixed bug in prediction service related to lowercase / uppercase model names. Added unit test to verify correct behaviour.
- Refactored prediction service and added time measurements to evaluate performance and identify bottlenecks.
- Switched prediction service from development to production web server for performance gains
- Experimented with different approaches on how to best update the models on the prediction-service in a non-blocking way. Implemented straightforward multi-threading approach.

Current activities:

- Investigate performance of model-update
- Identify further bottlenecks / areas for performance improvements

Goals or Activities for next deliverable:

- Document the annotation service (Code, Endpoints, Architecture)
- Improve test coverage of annotation service
- Improve test coverage of prediction service
- Research and test deployment on Azure [in case we have time left]

Immediate attention: -

