

Logbook - BDSA15

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December 3, 2015

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1 Log for date: 11/11-2015

Start: 14:00 — End: 16:00

Member attendance:

- Dennis Thinh Tan Nguyen attended.
- Jacob Mullit Mniche attended.
- Thor Valentin Aakjr Olesen Nielsen attended.
- William Diedrichsen Marstrand attended.

Meeting pins

- Set up Trello and Pomello
- Set up Log book
- Initialized C# program structure

Sprint Planning

- Sudy ConfigurationUI (Web Service Interface)
- Internal communication among subsystems
- Subsystems Classes
- Storage Interface
- Work Load
- Prviding Blue Team API
- Dependency Injections
- Using Adapter Pattern

2 Log for date: 11/12-2015

Start: 13:00 — End: 16:00

Member attendance:

- Dennis Thinh Tan Nguyen attended.
- Jacob Mullit Mniche attended.
- Thor Valentin Aakjr Olesen Nielsen attended.
- William Diedrichsen Marstrand attended.

Meeting pins:

- WebAPI (Fra Steven) - Adapter Pattern, Facade (Autosys Server)
- Initialized and refactored project structure - packages to projects
- UML Subsystem refactored
- UML Entity Object refactored
- Entities first

Branching Rules

- First create a local branch
- Then publish the branch so it resides on oring/master
- Required start name for naming convention for branches: implementation/, testing/, documentation/, bugfix/, refactor/

3 Log for date: 14/11-2015

Start: 12:30 — End: 15:10

Member attendance:

- Dennis Thinh Tan Nguyen attended.
- Jacob Mullit Mniche attended.
- Thor Valentin Aakjr Olesen Nielsen not attended.
- William Diedrichsen Marstrand attended.

Meeting pins:

- Creating overview of every subsystems
- Updated LucidChart of subsystems
- Defining classes and their responsibilities of every subsystems (Application logic and Storage)

Sprint Planning:

- Implement design decision for the new codeskeleton

4 Log for date: 11/16-2015

Start: 16 — End: 21

Member attendance:

- Dennis Thinh Tan Nguyen attended.
- Jacob Mullit Mniche not attended.
- Thor Valentin Aakjr Olesen Nielsen attended.
- William Diedrichsen Marstrand attended.

Meeting pins:

- Code Skeleton completed.
- Pull requests reviewed.
- Merged branches into master.
- Discussed about work processes and how we contact each other outside ITU. Overall conflict is that study related activities seem not to be separated from other activities thus causing a tense stressful environment for certain members. One proposal is to keep track of each members time board so that people know when they can contact each other or when they should not be disturbed. This will be done with a document showing everyones schedule and using status tags on Trello.

Sprint Planning:

- Need to plan future work and time for meetings to achieve a clear distinction between activities related to ITU and others.
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5 Log for date: 11/17-2015

Start: 9:00 — End: 12:00

Member attendance:

- Dennis Thinh Tan Nguyen attended.
- Jacob Mullit Mniche not attended.
- Thor Valentin Aakjr Olesen Nielsen attended.
- William Diedrichsen Marstrand attended.

Meeting pins:

- Cleaned up code skeleton
- Added missing classes
- Implemented WebApi

Sprint Planning:

- Update SDD and RAD (UML subsystems, datafield definition, user definition, update entity object model)
- Create time schedule for all group members and dertermine meeting hours

Work planning:

- A Google Document has been made where the group members have written the time intervals where they are okay being contacted.
- In the document mentioned above working schemes have been made as well, indicating when group meetings are held.
- This is to separate study related activities from social activities thus avoid a stressful environment

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6 Log for date: 11/24-2015

Start: 9:00 — End: 16:00

Member attendance:

- Dennis Thinh Tan Nguyen attended.
- Jacob Mullit Mniche attended.
- Thor Valentin Aakjr Olesen Nielsen attended.
- William Diedrichsen Marstrand attended.

Meeting pins:

- Implement code skeleton feedback
- Connect implementation tasks with functional requirements
- Fix UWP vs standard application issue

Sprint Planning:

- Need to fix subsystem dependencies with TAs by possibly using
- Connect functional requirements with implementation tasks
- Plan coding tasks for the next 4 weeks

Implementation priorities based on functional requirements subsystem dependencies:

Application logic

- UserManagement will be implemented first because WebApi and StudyManagement depend on it. We need to define how a User is to be represented so that SM can use WA.
- StudyManagement should be implemented secondly because its criteria and phase classes are used to define a study configuration. ProtocolManagement depends on a finalized study configuration.
- ExportManagement and PaperManagement can be implemented independent from rest of project.
- All subsystems depends on Repository with predefined CRUD operations.
- WebAPI depends on all subsystems based on their methods. We need to define what methods each package handler holds in order to develop our WebApi. The WebApi will be based on the deliveries from Steven.

Interface

- StudyConfigurationUI is independent from all subsystems in application logic. It is based on a web api that uses the server in the application logic. Should be able to retrieve teams stored in database and create a study define passed to the application logic.

User Validation The application logic will not handle user validation (e.g. manager or researcher), which is handled in the interface part of the system between yellow and blue part. The only thing application logic considers is whether a given user exists in the database. Roles are checked in Study Management based on an enum flagtype related to a user, e.g. a user can have a "Reviewer", "Manager" or "Validator" role determining which tasks are to be returned. A Reviewer will receive review tasks and a Validator will receive conflict tasks. Blue team will validate users based on whether they represent a Manager or Researcher.

Code Skeleton Design Changed to reduce coupling

If all packages have a facade interface used by other subsystems it allows single responsibility. Also allows team members to work on subsystems independently. We do not touch each other's code this way. A sub system should be able to be pulled out and replaced without causing trouble. By way of example, ExportManagement depends on the ProtocolManagement and its a predefined protocol. A using statement for Protocol is used in ExportManagement. Thus, we need to change the UML and use a dashed line between ExportManagement and ProtocolManagement. The dependency resides in where the object comes from and not how it is passed (e.g. from WebAPI).

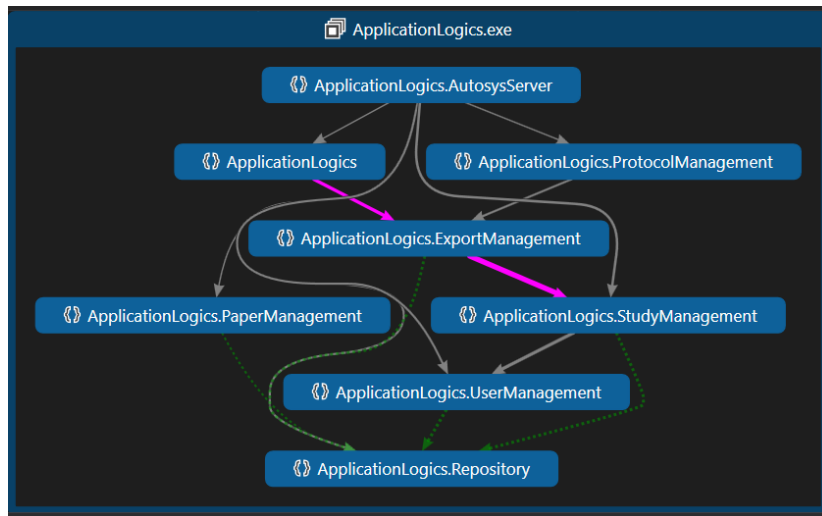


Figure 1: Subsystem Dependencies

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7 Log for date: 11/26-2015

Start: 9:00 — End: 14:00

Member attendance:

- Dennis Thinh Tan Nguyen attended.
- Jacob Mullit Mniche not attended.
- Thor Valentin Aakjr Olesen Nielsen attended.
- William Diedrichsen Marstrand attended.

Meeting pins:

- Rework database design
- Working on Criteria
- paperManagement

Sprint Planning:

- Talk with TA about database design
- Discuss Test driven development

Work planning:

- Add new title in each logbook, which details any radical design changes.
- Thor and dennis has been working on a revicited entity relation model to be able to create the database
- We have desided to use a microsoft database to avoid any conflict between different types of databases
- We don't need to worry about database queing. Aparently c # will automatically handled that aspect. According to Mokkel TA , each task will automaticly queue up to be proceessed. I don't think this will solve it on the client side, but that is hardly our problem
- You might want facilitate regular expressions in the search to enable more advanced searches. Instead of asking does this name appear in the text, then you can ask, I want to sample papers where this name appeared at least 8 times.

Work accomplished today:

- E
R model created

- Subsystem dependency resolved: Create exportable item Interface To expose methods for formatting exporting Criterias, Protocol and Criteria will implement CRUD
- Database Dispose have been replaced by Using blocks
- Database connection is maintained upon methods calls
- Created Facade package in application logic, used to translate entities to storage
- Repository have been moved to storage, and will now contain concrete repositories for all entities
- **William** is working on the Paper management class
- **Jacob** is working on the Phase and Criteria classes
- **Dennis** User management class
- **Thor** Storage, IFasade

8 Log for date: 12/01-2015

Start: 9:00 — End: 16:00

Member attendance:

- Dennis Thinh Tan Nguyen attended.
- Jacob Mullit Mniche attended.
- Thor Valentin Aakjr Olesen Nielsen attended.
- William Diedrichsen Marstrand attended.

Meeting pins:

- Testing strategy
- Shared data model required for use in repositories, stored model entities and testing
- Agreed on test syntax `methodToTest.condition.expectedbehavior`
- AutoMapper framework used to translate objects from application logic to DTO objects and Stored model entities
- Can now connect to a local database created from code first (AutoSysDbModel). Requires installation of SQL Server 2014 and login with (localdb)/myssql
- Agreed to prepare questions and think about potential conflicts involving work of others when implementing things. We now put more focus on preparations before group work. Members are expected to prepare questions and identify potential challenges involving the work of others.
- Reimplemented ids for entities in application logic where needed.

Sprint Planning:

- Sections from Testing Strategy document has been assigned to individual group members. Expected template delivery on Thursday the 3rd of December.
- Documentation boards on Trello are to be complete in order to clean up Trello for new tasks.

Current work:

- Thor is currently working on implementing the Storage repositories containing CRUD operations for all model entities. He will first implement the tests for each repository. This is now possible due to the agreed data model (had conflict with Paper and Criteria entity).

- Jacob is currently writing blackbox tests for the CriteriaHandler, working on a simple sorting operations which let a user sort Articles based on criterias and is working on Phase
- William is curently working on Papermanagement and exploring the nUnit framework (Which help reducing redundant test cases).
- Dennis working on black box testing and Fasades


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