COMP 354: Diary - Iteration 1

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Week 2

Set-up github repo and slack workspace, assembled the team. Role assignment for iteration 1, discussed technologies to be used, discussed use-cases for iteration 1.

Week 3

- Configured the development environment: added project lombok, logging framework log4j, integrated SQLite.

- Designed and implemented an abstraction layer over the database access.

- Created database schemes for the business entities, wrote an SQL initialization script and created test databases.

- Designed Java models for the business entities, DAO and service interfaces.

- Added configuration for test and prod environments, created new DAOs, set up a base class for DAO unit testing with an in-memory database.

Week 4

- Added a mocking library to the project, changes to the SQL tables of the business entities and java models. Added custom exception classes

and modified services and DAO-s accordingly. Added tests and implementation for a DAO class.

- Removed business entitiy validations from the DAO layer and added them to the service layer. Updated SQL schemas and test database. Updated UserSercvice interface methods, added test cases for User DAO and UserService.

- Updated the Transaction SQL schema and java model.

- Modified interface methods for UserService. Added tests for UserService, UserDao, RemoteAccountService. Implemented UserService, RemoteAccountService interfaces.

- Added create methods to AccountDao and AccountService, implemented tests for AccountService and AccountDao.

- Breaking change as I introduced an ORM library. Changes to the SQL schemas and java models. Removed custom DAO interfaces, implementations and tests. Modified service layer to work with library provided DAO-s.

- Added an AuthenticationService tests and implementation. Added validator interfaces and implementation, modified service layer accordingly.

- Added a test case to handle duplicate user creation, designed new custom exceptions.

- Modified AccountService to handle non-existent remote accounts and duplicate accounts, added tests.

- Assisted Wei in fixing problems with the GUI. Designed and distributed tasks to the members of the coding team.

- Meeting with Anne, documentation and code consistency discussion, assisted with non-functional requirements' description.

Week 5

- Changes to the java models making the foreign collections eager instead of lazy, modified brittle service tests to work with in memory database DAO-s instead of mocking them.

- Created a SessionManager class and implementation.

- Bug fixes in Controller classes.

- Finalized the tasks till the end of the iteration during the lab. Distributed roles for the next iteration. Discusses use cases for the next iteration.

- Meeting with Anne on Wednesday and Thursday. Assisted with changes in the requirements document.

- Final changes to the domain model and diary.