Version 3 Report

Version Manager: Tzuri Teshuba

Tasks completed:

* Handling of unexpected behavior from the external Payment/Supply systems
* State initialization from a defined state file
* Configuration file for tests and regular system operation
* Utilization of the provided Payment and Supply APIs
* Live and delayed notifications
* Updated use case, Dictionary, and white diagram documentation
* Transfer entire system to operate asynchronously
* Text autocompletion for names of products, stores, categories
* Web sockets migrated through service layer
* System manager use cases view transactions and system complaints

Partially completed Tasks:

* Data persistence in external database utilizing a cache and ORM
* Robustness testing for External APIs

Tasks delayed to next version:

* Support for price-offer-purchases

Version Management Documentation:

* Version3 was the main branch and all pushes to it were first code reviewed by at least one contributor. Features were integrated through their own designated branch. Closely related features may have been together on the same branch.
* Twice a week, team meetings were held, where all the contributors:
  + Stated their accomplishments and progress
  + Stated issues that were encountered
  + Stated any epiphanies regarding the project at large (i.e. expected problems)
  + Closed stale issues and branches in the git repository

Modeling Changes from Version2:

* Domain layer changed to be completely asynchronous
* All tests were also changed to be asynchronous
* Data retrieval was changed to database requests from the use of data structures within RAM (currently using a database dummy with the same interface as the real DB API)
* Migrated Buying and Discount Policies to store

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| Requirement | Test |
| [Configuration File](https://github.com/eladfeld/TradingSystem/blob/for_dummy_merge/dev/Server/src/config.ts) | N/A |
| [Readme File](https://github.com/eladfeld/TradingSystem/tree/for_dummy_merge) | N/A |
| [Database Dummy for testing](https://github.com/eladfeld/TradingSystem/tree/for_dummy_merge/dev/Server/src/DataAccessLayer) | N/A |
| [Text Autocomplete](https://github.com/eladfeld/TradingSystem/blob/for_dummy_merge/dev/Server/src/DomainLayer/SpellCheckerAdapter.ts) | [Test](https://github.com/eladfeld/TradingSystem/blob/for_dummy_merge/dev/Server/test/unit/spellChecker.test.ts) |
| [API Robustness Tests](https://github.com/eladfeld/TradingSystem/tree/for_dummy_merge/dev/Server/test/robustness) | - |
| [User Notification](https://github.com/eladfeld/TradingSystem/blob/for_dummy_merge/dev/Server/src/DomainLayer/notifications/Publisher.ts) | [Test](https://github.com/eladfeld/TradingSystem/blob/for_dummy_merge/dev/Server/test/acceptence/2.9.3LiveMessages.test.ts) |
| [State File](https://github.com/eladfeld/TradingSystem/tree/for_dummy_merge/dev/Server/src/ServiceLayer/state) | [Test](https://github.com/eladfeld/TradingSystem/tree/for_dummy_merge/dev/Server/test/acceptence) |
| [Use of external APIS](https://github.com/eladfeld/TradingSystem/tree/for_dummy_merge/dev/Server/src/DomainLayer/apis) | N/A |