**SE 339 - Group 9 Paste**

**TEAMMATES**

**Essay 4**

**Introduction**

TEAMMATES is a Web application that runs on Google App Engine. It has four main components:

* UI Component
* Logic Component
* Storage Component
* Common Component

The Logic component handles the business logic of TEAMMATES and serves as a bridge between the UI component and the storage component. The logic component includes:

* Managing relationships between entities, e.g. cascade logic for create/update/delete.
* Managing transactions, e.g. instruct atomicity of a transaction.
* Sanitizing input values ​​received from the UI component.
* Connecting to GCP or third-party services, e.g. for adding tasks to the task queue and for sending emails with third-party providers.

Package overview:

* logic.api: Provides the API of the component to be accessed by the UI.
* logic.core: Contains the core logic of the system.
* logic.external: Holds the logic of external services such as task queue service.

In essay 4, we will focus on understanding logic component and how it connects between UI components and storage components. At the same time we also learn how to handle exception if any error occurs in the process of passing information between them.