Requirement Analysis Design

1- description :

The goal of this project is creating user based hand-labeling systems for customers' comments. In our system, users will read the comments, which can be classified into single or multiple labels, of each customer and label them with appropriate predefined labels. We will create Java based object oriented models to easily maintain the process and satisfy the requirements.

The project glossary is a collection of vocabularies or phrases (the terms) captured from various models, reports and any other artifacts in the software project. Each term is defined with its meaning specific to the project domain. By defining project glossary, it unifies the vocabularies from different sources into a standard meaning for different parties, that serves various different of purposes for project development:

1. understand the design artifacts
2. provide description to key terms and phrases
3. explain detailed concepts
4. describe abbreviation, etc..

2 - glossary

1. Label
2. İnstance
3. Dataset
4. Label assignment
5. User
6. İnterface
7. Java
8. Object Oriented Design
9. Design Class Diagram
10. Design Sequence Diagram
11. UML
12. Scrum
13. Output
14. Code Functions Method !!!
15. Artifact
16. Pair Programming
17. Functional Requirements

18. Non Functional Requirements

3- List of Functional and non-Functional Requirements

Functional (answers what the system should do)

- The labeling system has to randomly assign a label or more to each instance.
- The system can work with multiple users.
- Each label may be assigned to multiple instances.
- Each user can label many instances.
- System should parse the dataset given and create related labels.
- system’s output should be the same dataset with its assigned labels.

Non Functional Requirements (answers how the system works, the limits of the functionalities)

- the program will be run from the console
- instances will be taken from provided dataset json file
- security?
- Performance. How fast does it need to operate?
- the program must take number of labels per instance as an input

3- Domain Model:

4- System Sequence Diagram: