Requirement Analysis Document(RAD)

INTRODUCTION

We developed a data labelling system in a strictly object oriented manner. We created 8 Classes which are User, LabelInstance, LabelDefinition, LabelVector, Classifier, Negative, Positive and JSON. With using these classes, we are reading a JSON file and we are making a labelling mechanism. We use different methods in these classes to read and label.

Our system can be used for different sectors and different manners. For instance, it can be used for analyzing user comments and labelling them. So, product owners or responsible persons can manage user experience better.

In future iterations we will add some basic machine learning algorithms and improve our system.

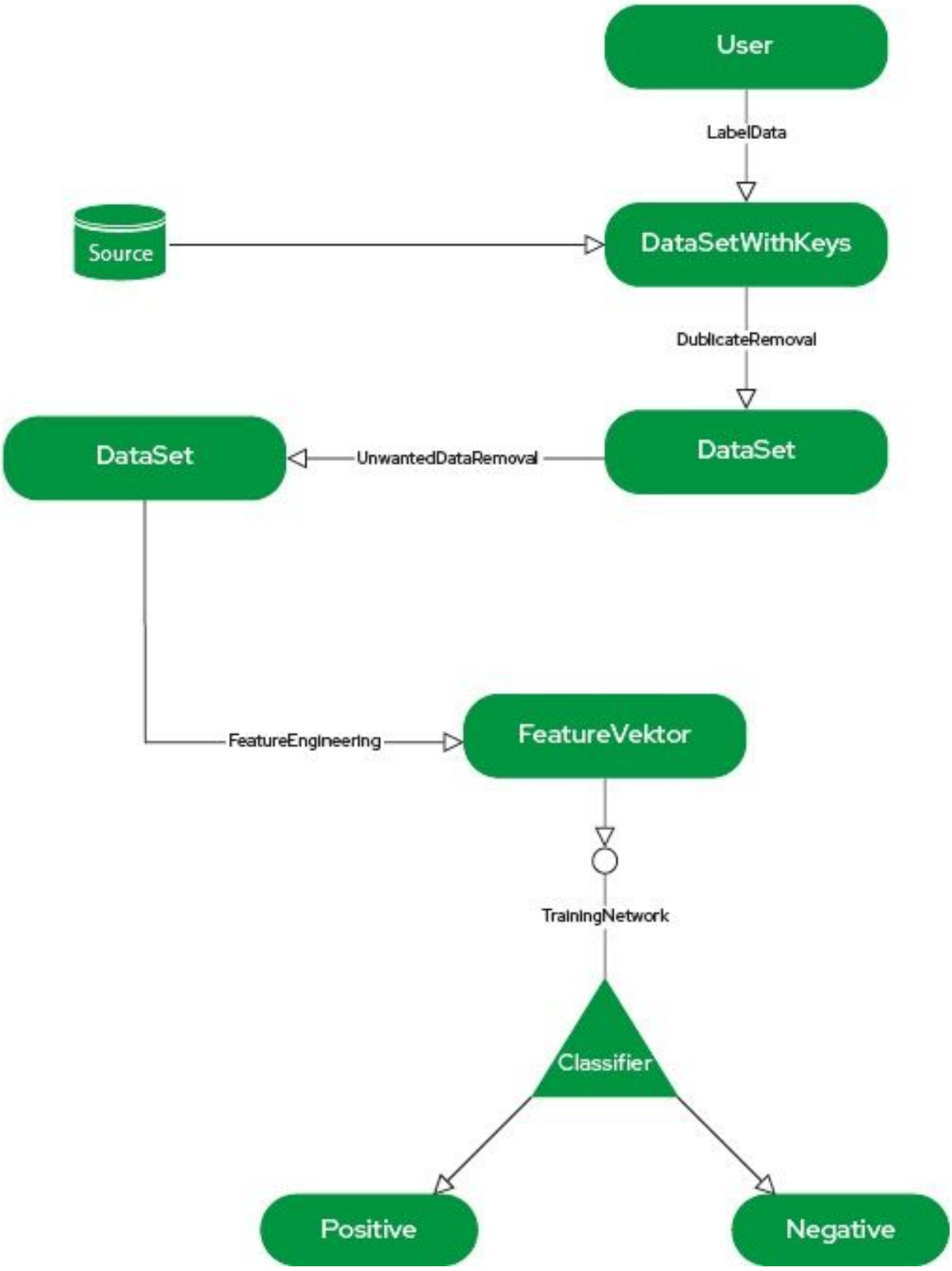
Functional Parts;

This project is a multi-user system.
A user labels many instances.
An instance label by one or more users.
Our labeling mechanism is a random labelling mechanism which randomly chooses one of the labels from the set of labels and assigns it to the instance.
The set of labels read by our system from a dataset file. Instances have multiple labels when the number of labels are bigger than 1.

Non-Functional Parts;

There is no non-functional parts for iteration 1.

DOMAIN MODEL



Workload Distribution

We are 10 people;

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