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.

Workload Distribution

We are 10 people;

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DOMAIN MODEL

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                                                    ┌──────────────┐
                                                    │     User     │
                                                    └──────┬───────┘
                                                           │ LabelData
                                                           ▼
  ┌────────┐                                        ┌──────────────┐
  │ Source │──────────────────────────────────────▷│ DataSetWthKeys│
  └────────┘                                        └──────┬───────┘
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                                                           ▼
  ┌──────────┐      UnwantedDataRemoval            ┌──────────────┐
  │ DataSet  │◁───────────────────────────────────│   DataSet    │
  └────┬─────┘                                     └──────────────┘
       │
       │          FeatureEngneerng         ┌──────────────┐
       └──────────────────────────────────▷│ FeatureVektor│
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                                                  │ TranngNetwork
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