Jakub Gawrylkowicz (a01326002)

MS3 – User Interface – Semester Project Deadline

1. Development process

The overall design remained unchanged from the previous submission because the most of the required functionality has been implemented already.

For this submission, I focused first and foremost, on fixing the issues from the last submission. Some test cases produced errors which rendered the service unavailable, which by now are fixed. The service's robustness has increased overall and all potential errors are acted on accordingly.

Furthermore, I tried to improve the overall user experience. In my last report, I wrote how I was considering using my local database in order to save data locally in case other services are unavailable. This idea stuck with me and the database still plays a rather big role in my application.

2. Service description

The service's interface remained unchanged from the previous report.

3. Installation

The service can now be started with a single script, which configures the database and starts server automatically. First we need to download all the required node modules and save them locally.

```
$ npm install
```

Then we have to create a database for the local entries. First we need to make sure that MongoDB service is up and running. To start the service (read the documentation on how to start the service on your system https://docs.mongodb.com/manual/administration/install-community/)

```
$ services start mongod (Debian)
$ systemctl start mongodb.service (Arch)
```

After everything has been installed correctly, it is now possible to start the server via:

```
$ npm start
```

The site can be accessed locally at: `localhost:8080`