KASPER – ID4 PROJECT DOCUMENTATION

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# Requirements Document ID4

## 1.1 Front-end Requirements

Priority Front-end Requirements

* Form control validation for all remaining pages (check back closer to deadline)
* Fix description box in Add Listings (done)
* Add Google Maps section to Detail page (removed – future)
* Implement the message system in the front-end and integrate it with the backend (future)
* Display currently added images during upload image process (done)
* Make Favourites page the same style as Browse page (done)
* Get front-end fully integrated with back-end (done, except for the messages, which were requested late by the client, and only put in the backend)
* Finalize and complete UI flow (done)

## 1.2 Back-end Requirements

Priority Back-end Requirements

* Email verification (not done for ID3) (done)
* Forgot password (not done for ID4) (future)
* Logout (done)
* Contact Seller (done in back end)
* Sign in / Sign up using Facebook (done)
* Delete Listing (done)
* Get the front-end fully integrated with the back-end for all API calls (done except message)

Other Back-end Requirements

* Thorough review of test cases for all back-end code (finalized during ID5)
* Push notifications if something changes regarding a Listing saved in Favourites (a change in the database triggers a notification)???
* Integration with Google Maps (future)

Back-end Requirements Changes

This section highlights the changes to our back-end since ID3. These changes were discussed and agreed upon during both the current and previous ID’s, and have been implemented during ID4.

* Any changes in ID4???

## 1.2 Mini Milestones for ID4

**Development**:

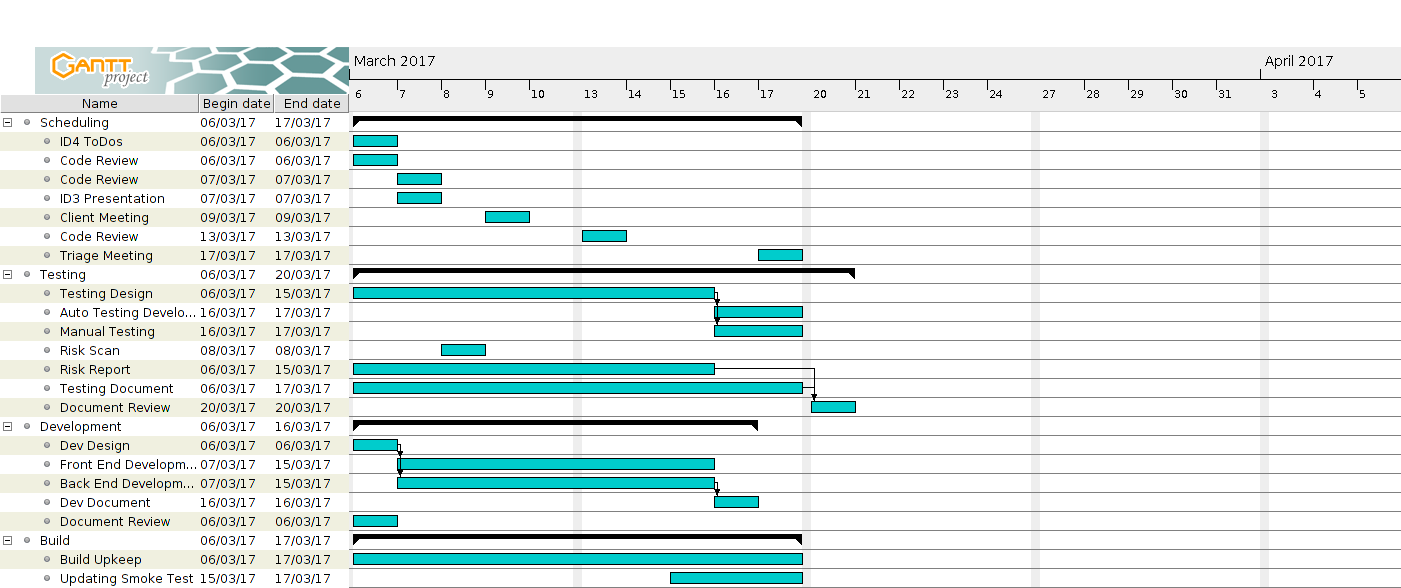
**Testing**:

**Build**:

**Documentation**:

# 2.0 Time Estimations

Gantt Diagram ID4:



To see time estimations on all individual tasks, please follow the link in Process Documentation, section 2.0 Activity Log, and click on the bottom tab labelled “Individual Activity Log”.

In ID3, development time estimations have been added for each assigned task on Trello. Trello cards now contain a coloured label indicating the approximate estimation of each task. These estimates were approximated by the dev team.

The following image shows the colour coded time estimation scale with which each trello card will be rated.



# 3.0 Design

## 3.1 API Document

The API document outlines the client server communication of our system. Our project will contain sixteen API calls (calls to the server), eleven of which are currently implemented, and two of which are in full communication with the server. These calls send a JSON body with relevant data. The server receives, parses, and processes the JSON using the database. When finished, the server will reply to the sender with a token containing the reply status and a JSON body with the requested information. The following link contains our updated(???) ID4 API document and details on the various calls to our database.

Note: We are currently experiencing difficulty with this link. Please copy and paste it into your web browser.

[https://docs.google.com/document/d/1N4jt1\_PgxPhXwdc1TcT7TBjFNOZqYO5L10ha3bpO5M8/edit#heading=h.1sskatsa28we](https://docs.google.com/document/d/1N4jt1_PgxPhXwdc1TcT7TBjFNOZqYO5L10ha3bpO5M8/edit%23heading=h.1sskatsa28we)

## 3.2 Updated Data Structures ID4???

There was only one small update to our data structures in ID4, namely the Listing structure which acquired a postal code field

## 3.3 Development Unit Tests

The procedure to be followed by all developers for writing both front and back-end unit tests respectively, can be found at the following links:

Front-end Guide for Unit Testing:

<https://github.com/CMPT371Team1/Project/wiki/Coding-Style-Example-(JavaScript)>

Back-end Guide for Unit Testing:

<https://github.com/CMPT371Team1/Project/wiki/Coding-Style-Guide-(Python)>

# 4.0 Testing Document

* Jeremy

# 5.0 Coding Style Guide

The development team has put together a set of guidelines to serve our purposes. These guidelines highlight the salient features of the coding style to be followed by developers. Useful examples are provided for quick referencing.

For front-end development using Ionic, the coding guide and sample can be found at the following wiki page:

<https://github.com/CMPT371Team1/Project/wiki/Coding-Style-Example-(JavaScript)>

For back-end development using Python, the coding guide and sample can be found at the following wiki page:

<https://github.com/CMPT371Team1/Project/wiki/Coding-Style-Guide-(Python)>

# 6.0 Build Report

* Chris MR

# 7.0 Upcoming Requirements

## 7.1 ID5 Requirements (Polishing and Quality Assurance)

* Replace descriptive text with icons (check back closer to deadline)
* Get a legitimate Kasper icon (check back closer to deadline)

## 7.2 Future Requirements

This section outlines requirements identified as “nice-to-have’s” for upcoming ID’s. Certain client requirements have been identified as too ambitions for the allotted time frame, and are not expected to be completed.

* Finalize method of ordering images
* Send a message to the seller including contact information
* Users can sign up to receive “hot list” notifications
  + Feature Listing (paid for by Sellers)
  + Newly added Listings
  + Price changes on Favourites
  + Based on previous search history
* Sellers receive notifications regarding personal Listings:
  + When a Listing is saved to Favourites
  + When someone requests a viewing
  + When someone sets a price watch
* Super Admin User
  + Log in as Super Admin
  + Add new Listing under any user
  + Edit any Listing
  + Remove any Listing

# 8.0 Triage Meeting ID4

**Date**:

**Start Time**:

**End Time**:

**Location**:

**Members Present**:

**Summary**:

1. **Front-end:**
2. **Back-end**
3. **Testing**
4. **Build**