3rd *Year Project:*

Innovative Cinema Listings

Validation

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Validation of Innovative Cinema Listings

From the beginning of the design phase of the Android application, we had come up with several goals to achieve by the end that would fit the market for users and from a development point-of-view. These goals were set out in the Functional Specification. They are as follows:

- Android focused application(holds 70% of mobile market).
- Users may see films in their area based on their location.
- Requirements of Wi-fi and Location
- Films can be added to a liked and ignored section.
- Using Firebase to hold data.
- Continuous usage of Google Maps.
- Stores cinema data in a single location.
- Possible usage of analytics.
- Tracking of film popularity.
- Directions API for users.
- No login information required
- User editing the application data.
- Python for backend, Java for frontend

The changes made to the final application were quite different to the original design:

- Android focused Application
- Users will see films in their area based on location.
- Mandatory Requirements of Wi-fi and Location.
- Data collected at run-time rather than stored on a database.
- Films are displayed seamlessly and not editable to a liked/saved section.
- Google Maps plays a pivotal role.
- Cinema Data stored and displayed at runtime.
- No analytics or Directions API.
- No login information required.
- Editing application data is not possible.
- Java runs both frontend and backend.

Conclusion

As one may investigate the difference between design and implementation, there are a lot of changes made to the application. There is no need to have saved or ignored films in the app. However, there is still the possibility of adding analytics to the application so that cinemas may track the popularity of their locations by the clicking of markers by users. About 50% of the original goals can be validated as having met user and development requirements with further possibilities of adding features like analytics and user chatrooms to open up the application to a wider audience.