**Group 01**

**By: Abdullah Muhammad Non-Functional Requirements** Look and Feel Requirements

* The application should be visually appealing.
* The overall design should look familiar to other query based applications.
* The interface should be descriptive, telling the user what to do and how to do it.
* The query search and the experts should be easily visible.
* The results displayed should be easily readable.

Usability Requirements

Ease of Use

The application should be easy to use just like an ideal query processing software (navigate, surf, search, get results, etc.).

* Personalization and Internationalization Requirements There are none (N/A).
* The overall functionality of the application should be basic, a child of 10 years or older should be able to use it.
* The application should be designed in a way that query-processing is not difficult.

Performance Requirements

Speed Requirements

* The application should be able to present the results of a search requested by the user within five seconds of the request being made.
* The application should be respond within three seconds to a user command other than a search (open, close, etc.).

Safety Critical Requirements

* The application should project proper lighting on the screen (prevent seizures and blindness).
* The application must abide by all internet/software safety laws.

Precision Requirements

* The software shall provide at most 10 different movies when a query search is made.
* The software shall perform the exact search the user requests. It shall not assume a different spelling (i.e. to correct a spelling mistake, etc.).

Reliability and Availability Requirements

* The product should be usable for 24 hours per day, 365 days per year.

Capacity Requirements

* The application shall accommodate at most one user to operate with the software.
* The application shall search for one movie per search.

Culture and Political Requirements

* The application should not use symbols, text, or media which debases a race, culture, or a political landscape.
* The application shall show a disclaimer explaining any similarities that may arise to political symbol or figure is coincidental.

Legal Requirements

* The application should abide by any privacy and copyright laws.
* The use of experts shall be done, whilst the owner permits its free usage.

Security Requirements

* The application should protect the identity of the person using the software. It shall not pass personal information (if any) to any unknown party without the explicit permission of the user.
* The application shall use encryption to protect transactions being sent from the user to the client.

Maintainability and Portability Requirements

Maintainability

* The main software holding the components together should easily be updated when it is needed.
* The software should easily be modifiable just in case the user decides to add more functionality to the application.

Portability

* The application should be able to be used in various platforms such as Windows, Macintosh, and Android.
* The application should be able to be used in various devices such as a desktop computer, cellphone, laptop, etc.

Operational Requirements

Expected Physical Environment

* The product shall run on any android platform device along with computers, tablets, PC’s, and cellphones (other devices that support Android).

Expected Technological Behavior

* The system shall resemble a simple input/output mechanism. The user will enter a search and the software shall process the requested query and present the results.
* The software shall interact with the user to perform transactions.
* The software shall interact with the system that has it installed (memory usage, battery percentage, etc.).

Partner Applications

* The system shall use the experts listed for the given software to function.

Open Issues

* There are no open issues discovered at this point in time.

Off the Shelf Solutions

* At this moment, there are no off-the shelf solutions for the development of this piece of software.