# Functional

* the system shall have 3 experts that will be able to be easily swapped out
* the system shall be able to determine ask the user questions
* the system shall be able to determine the locations that the user will describe
* the system shall allow the user to answer yes or no to questions
* the system shall be able to display the resulting locations on a map
* the system shall determine the closest locations, environment and place
* the system shall include one interesting feature
* the system shall allow each “expert” to determine the answer given the set of questions and their answers
* the system shall allow the user to flag or report any inappropriate answers or questions
* the system shall developers to easily add or remove queries(entries)

# Non Functional requirements

## Look and feel

* The system shall be easy to use for any user over the age of 10 use
* The system shall display any information in a visual way
* The system shall show locations in a graphical way
* Shall include screen prompts when a user first uses the app to explain the functionality

## Usability and Humanity Requirements

* The system shall provide question that are easy to understand
* The system shall be easy to navigate and understand the layout

## Speed requirements

* For anything that is not internet related the system will respond in 2 seconds
* For anything that is internet related the system will respond in 30 seconds

## Operational requirements

* The system shall check to ensure that there is sufficient internet connection
* The system shall ensure that any servers are up for 80% of the time

## Security

* The system shall encrypt any information that is passed in or out
* The system will not send out this location to anyone
* The system shall not take in any user information

## Precision Requirements

* The system shall guess the right location 75% of the time
* The system shall guess the environment 90% of the time
* The system shall guess the place 80% of the time

## Longevity Requirements

* The system shall of be able to easily add new entities
* The system have proper maintenance after the initial release

## Cultural and Political Requirements

* The system shall ensure that that all religious or sacred locations will be shown in a respectful way
* The system shall show no bias towards any political parties or religious groups
* The system shall not associate itself with any political party or religious group

## Legal Requirements

* The system shall be within legal standards for Canada and the United States

## Portability Requirements

* The system shall be able to run on both Android and iOS platforms

## Business Events

1. User downloads app
2. User opens app
3. Updates or maintenance of the app is required
4. Adding or removing functionality (possible shutdown or rollout)
5. Developers add functionality

## Viewpoints

1. TA/ Prof
2. IT Maintenance
3. Users
4. Paying customers (most valued customers)
5. Businesses
6. Front end developers
7. Back end developers

## Cool Feature Ideas

1. Linked to Facebook
2. Adding unknown entries/queries to database
3. Find your friend’s location or friends that are nearby
4. Answering questions based on shaking
5. Answering question by swiping left or right