REQUIREMENTS GATHERING

OBJECTIVE:-

The objective of the application is to implement a universal search for our users in the developed application.

ISSUE:-

One of the major issues our users face is to search across the information available on the platform.

QUESTIONS:-

BASIC QUESTIONS:

1) Is the universal search in our application necessary at all?
2) For whom are we making this application?
3) Are the other features of this application dependent on this universal search?
4) Is the application accessible via all the browsers?
5) Is the application a large scale application or a small-scale application?

WILL:

1) Will the user enter his credentials for authentication, before entering the application?
2) Will the user only search for the data or update it as well?
3) Will the Home page of the application comprise only a search box?

HOW:

1) How will we know that the universal search has been accomplished?
2) How the conditions for universal search can be met?

WHEN:

1) When does the search feature needs to be available?

Which:

1) Which programming languages have been used to develop the application?

ASSUMPTIONS:-

1) The application can ask, What the user is searching for beforehand and give "that" type of result.

2) The search box can be as simple as possible.

3) The application is platform-independent i.e. accessible on all operating systems. And also on all the browsers.

   Some solutions based on the assumptions:-

1) The browser can save the credentials of the users and his search history for the application, to speed up the search process if the user visits next time.
2) The search box on the Home page can be a drop-down list having the main entities(job, Data entered, Mail etc.) as the options.
3) The entity which is mostly searched by the users can be as a side-bar option.
4) Videos, audios and images for a particular user should be named uniquely. Such as a combination of user ID and a number.

MOCKUPS:-

*Refer to the document Mockup.docx(uploaded in the github along with this document).

ESTIMATIONS:

Estimated time for creating the universal search application:-

1) *FRONT-END:-* At least two working days
   - Home page: 5 hours
   - Authentication page:- 5 hours
   - Entities(Job, Mail etc.):- 5-6 hours

2) *BACK-END:-* At least 2 working days

3) *DATABASE:-* 4 working days(Assuming there are 100 employees)

4) *CONNECTING DATABASE:-* 1 day

5) *OTHER MISCELLANEOUS JOBS:-* 4 working days

So according to the estimations the whole universal search implementation will take 2 weeks(approx.).