

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.).