Questions:

- You want to add search functionality in your application may I know what details you want to show as a result?
- Why you want to add this functionality?
- What would you like to search?
- What result do you expect?
- How would you like to search details?
- On which basis would you like to search?
- Where is data stored?
- Who is going to Use this application?
- Are there different categories of users? If yes then which are, they?
- Would you like to restrict the number of searches for particular users?
- Is this functionality important? if yes then why?
- If you had a magic wand how would you implement this functionality?
- Do you want to search things using filter parameters?
- How would you like results to be shown? What should be the view type?
- Would you like to sort results using Different parameters?
- Would you like animation and loading icons while fetching and displaying data?
- Does the search depend on any other functionality i.e. login?
- Would you like to have users search history?
- How many users should be allowed to access the application at once?
- Is this application accessible on all type of devices? If no then specify
- What response time you expect?
- What will be security measures for authentication?
- How many processing errors are acceptable?
- How would you know that functionality is implemented successfully?
- How much time do you expect?

Assumptions:

- User will be able to search jobs using search box.
- User can also use filter function to search jobs in desired location.
- User will be able to search for companies registered on the application and connect with them.
- User can also connect with other users on the application by searching them using their respective usernames.
- User can apply for jobs directly from the obtained search results.
- user need to login first.
- Animation and design will provide the user an amazing user experience.
- User can also sort results according to his/her need.
- User will be able to check his search history for records.
- User will be provided a training document for better understanding of functionality.
- Team will Write solutions in C#.
- Project will follow Waterfall methodology throughout.
- The Solution will Utilize REST API Architecture.
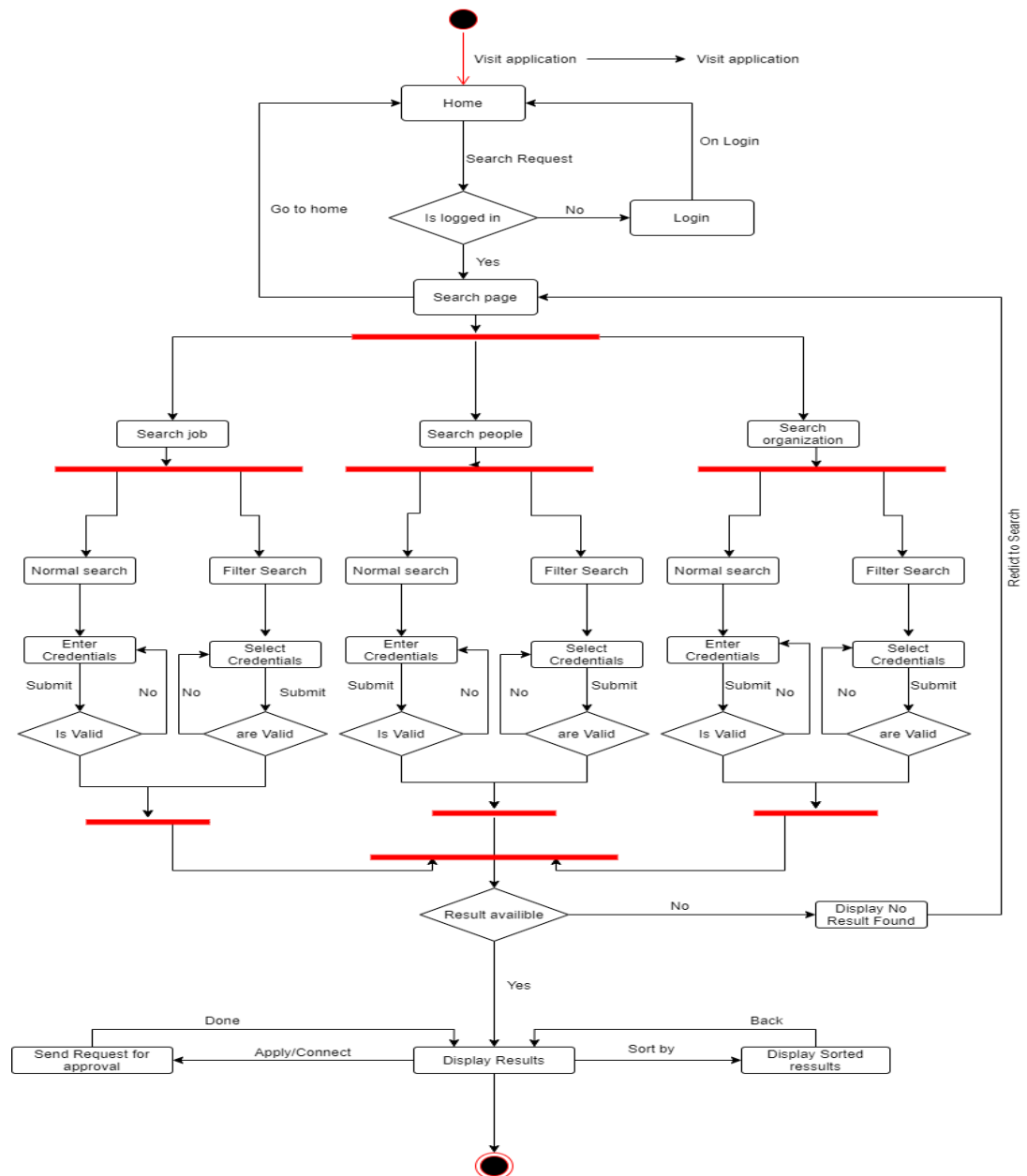- Project will be delivered on the decided date.

Mockups(Activity Diagram):

Fig (Activity Diagram)

Estimation:

Scope: Search functionality will search jobs, people, organizations based on inputs It want help the user in anything other than search.

Product size estimation: As search consist Main three functions job, user, organization search and each main function consist two sub functions of search and filter search.
So the estimated size of functionality can be 1kLOC

Product Effort estimation: As our functionality is not too complex and so We will consider out system as organic System so a=2.4,b=1.05,c=2.5,d=0.38
E=a(KLOC)^b PM
=2.4(1)^1.05
=2.4~3 PM
So the estimated effort is 1.20 Person per month

Estimated Schedule: We had effort 3 PM now considering c=2.5, d=.38.
TDEV=c(E)^d
   =2.4(3) ^.38
   =3.3~3 Month
 So, the estimated Time for development is 3 months
SS=E/TDEV=1 person
And required staff is 1 person.

   (note: here we have used COCOMO basic model and assumed system as organic system)