

## Question 1

Functional: Design Constraints, Administration and Authorization levels, High Level Functionality, Usability

Non Functional: External Interfaces, Security, Performance, Extendability

Goals: Purpose, target Audience, Business Logic, Forward References

Others: WorkFlow, Contact Information of team members, Cost, Delivery Schedule

## Question 2

10 flaws:

1. Functional requirement: "Filters based on criterion should be allowed" Business requirement - "Allow recruiters to filter the applications that are available to them" There was some overlap between different kinds of requirements.
2. The feature "Allow recruiters and applicants to have ratings to help in the process" shouldn't be a business requirement, but a functional one.
3. "Allow applicants to sort and filter jobs to find the most suitable" shouldn't be a business requirement, but a functional one.
4. "Authorization for safe login" shouldn't be a business requirement, but a functional requirement.
5. "Filters based on criterion should be allowed." - The criterion should've been explicitly mentioned, as they filtering is ambiguous without the criterion.
6. "Allow recruiters to filter the applications that are available to them." shouldn't be a business requirement, but a functional one.
7. "Sorting for jobs so that pay brackets can be seen easily by applicant" Constraints for sorting weren't mentioned clearly in functional requirements - they are ambiguous on which parameter jobs are to be sorted.
8. Simple UI is an important non-functional requirement that wasn't included.
9. "Allow recruiters to filter the applications that are available to them." shouldn't be a business requirement.
10. "Sorting for jobs so that pay brackets can be seen easily by applicant", "Filters based on criterion should be allowed." It should have been mentioned that sorting and filtering can be done simultaneously, and not just one at a time.
11. "It should maintain data integrity." is ambiguous. It should have explicitly mentioned that Data Integrity means that all required constraints are followed and that the data is encrypted.

10 correct things:

1. Non-functional requirement of "Performance of the system should be high."
2. Non-functional requirement of "The platform should be scalable."
3. Non-functional requirement of "It should have easy maintenance."
4. Non-functional requirement of "It should have high security".
5. Non-functional requirement of "It should maintain data integrity.", although ambiguous was correct in basics.
6. "Fuzzy searching to return similar jobs should exist" was an appropriate functional requirement.
7. "Users should be able to edit their profile details later on" was correct functional requirement." was correct functional requirement.

8. Allowing filtering was a correct functional requirement, but was ambiguous in its constraints.
9. Allowing sorting was an appropriate functional requirement, but was ambiguous in its constraints.
10. "An email should be sent on successfully submitting an application" was a correct functional requirement.