

Case Study 1

An electronics shopkeeper wants to adopt a system for online shopping for his customers. Following are the requirements for the system.

Customer should be able to access system from anywhere (eg: office, Home)

System should display information about available products.

Provide a virtual bag to the customer for shopping.

Customer should be able to add/remove the items from the bag.

System should calculate total bill amount after each transaction to bag.

System should automatically update the available items.

System should maintain all the details about customer.

Design a system which will meet all the above needs of the shopkeeper. The system should be flexible.

Note: The above are the minimum requirements of the system, which must be fulfilled. Students may expand the scope of the system, if feasible.

Originality, added complexity of features, and aesthetic appeal will carry weightage.

Case Study 2

Mr. ABC wants to share his photo albums with his friends. So he asks a web developer for the application and put his requirements as follows.

Mr. ABC and his friends should be able to upload the album to the application.

Mr. ABC's friends should be able to see the album.

Mr. ABC wants album to be shared only by his friends.

Mr. ABC should be alerted if any of his friends upload new album.

Mr. ABC should not be able to edit/delete the albums uploaded by their friends and vice-versa.

Design a system which will meet all the above needs of Mr. ABC. The system should be flexible.

Note: The above are the minimum requirements of the system, which must be fulfilled. Students may expand the scope of the system, if feasible.

Originality, added complexity of features, and aesthetic appeal will carry weightage.

Case Study 3

Amit was thinking of developing a web application for his school. And one day he proposed the idea to his friends and asks for the suggestions. Considering the suggestions he made the requirement list as follows.

Application should be accessible only to school students.

Application should store necessary details of every student.

There should be popup alerts for birthday wishes.

Students should not be able to edit/delete others' details.

Application should provide information about school to guest users.

Design a system which will meet all the above needs of Amit. The system Should be flexible.

Note: The above are the minimum requirements of the system, which must be fulfilled. Students may expand the scope of the system, if feasible. Originality, added complexity of features, and aesthetic appeal will carry weightage.

Case Study 4

A hospital want to have a website for their patients. And accordingly they made a requirement list for the website. The requirements are as follows.
Patient should able to take appointment for the perticular doctor he wants.
System should reply to the patient according to the availability of doctor.
Doctor should get alerts for his appointments.
Once patient took the treatment, system should maintain details about patient.
System should provide basic healthcare instructions to people.
Design a system which will meet all the above needs of hospital. The system Should be flexible.

Note: The above are the minimum requirements of the system, which must be fulfilled. Students may expand the scope of the system, if feasible. Originality, added complexity of features, and aesthetic appeal will carry weightage.

Case Study 5

Design a website for on demand songs. The system should meet following requirements.
User should able to listen the songs online.
User should able to search songs by different category like by movie, by actor and by year. Pop ups should be displayed for newly uploaded songs.
User should able to create and store playlist on his profile.
Design a system which will meet all the above needs. The system Should be flexible.

Note: The above are the minimum requirements of the system, which must be fulfilled. Students may expand the scope of the system, if feasible. Originality, added complexity of features, and aesthetic appeal will carry weightage