

# Webster Problem Statements

CyberQuest, Avishkar 2017, MNNIT Allahabad.

Website  
Design  
Make an  
impression.



## RULES & SUGGESTIONS.

1. You can use any language of your choice, you are not bounded to use php only.
2. Use of cms(like joomla , wordpress, etc.) is not allowed.
3. Use of templates is not allowed.
4. Use of plugins is encouraged.
5. Please try to use APIs as much as possible.
6. You can make project in teams (of max 3 members), no branch restriction.
7. Partial projects will also be considered for evaluation, but please try to complete the project as much as possible.
8. All team members should be from the same year.
9. The judging criteria will be:
  - Maximum focus on backend design
  - Code organisation
    - Database organisation
  - Scalability of the project
  - Mobile Browser Compatibility
  - Documentation (proper comments)
10. Simplicity and elegance are encouraged for the front-end design.
11. The use of libraries such as Bootstrap and jQuery are encouraged. The use of GitHub is also encouraged.
12. If the project work is found to be plagiarised, then it would lead to immediate disqualification.

# LEVEL : Beginner

## ● CV Maker

Ever had problem in creating your own resume, not knowing what kind of colors or font scheme to use. So here is an opportunity to create your own CV Maker to help lots of people out there struggling like you.

### **Basic Features**

- 1.Login/Signup for users
- 2.Providing several templates to change the resume design
- 3.Basic details like educational qualification, internships, projects, past jobs etc. and a template should be provided to user.
- 4.Exporting to various formats such as pdf, doc etc.
- 5.Quick Preview of the resume before downloading.

### **Advanced Features**

- 1.Changing the language(English/Hindi....) in which resume is to be made
- 2.Direct login with Facebook/Google
- 3.Providing options to add photo to the resume.
- 4.Provide option to customize color scheme and fonts etc. of any template.

# ● Interview Experience Sharing Portal

As the placement session has started, it will be great help to juniors if seniors write about their interview experience on a portal. This will help them prepare for the companies and get acquaintance with their placement procedure. So, you need make an attractive portal where seniors can post their experience and anyone can read it.

## **Basic Features**

1. Login/Signup facility for users.
2. Basic details like Company name, Job location, etc. need to be asked.
3. User can post with their name or anonymously.
4. Only final/third year students can post their experience.

## **Advanced Features**

1. Login/SignUp using Facebook and Gmail (Use API provided by Facebook and Gmail).
2. Implement search feature based on Company name or Student name.
3. Implement a chat feature to chat or message directly to the senior.
4. Categorize the posts based on company name.

# LEVEL : Intermediate.

## ● MNNIT NEWS ADDA

It is necessary to be well informed about your surroundings to be ahead of others. There is lot of news tycoons in our country. Our College also has some budding news reporters. But they do not have the platform to express themselves. Let us provide them a platform to report campus news and articles. You have to make a website to give them a platform and act as interface between newsreader and reporters.

Your task is collect top news from different sections over internet and bring them altogether in a beautiful layout. Take inspiration and idea from news.google.com

### **Core Features:**

- 1) Signup /login for news reporters/article writers
- 2) News reporter can submit news(can have images)
- 3) News can only be published when passed by chief editor.
- 4) Layout is important ,how your news will be shown
- 5) Readers can login but they cannot edit
- 6) Readers can comment ,like, dislike the article
- 7) News must be collected from at least 3 sources
- 8) Content must be dynamic
- 9) Must have International, national, games, science, entertainment sections.

### **Advanced Features:-**

1. Push notification
2. E-paper in pdf form
3. Scoring the news content and prioritizing it ( lots of extra point!! )
4. Signup of readers through Google/Facebook

## ● Online MarketPlace

I believe all of us can agree that, one or the other time we have felt the need to buy something or the other within our college premises be it cycle or cooler( oh yes the cooler :D), wouldn't it be great if we had some centralised hub to facilitate such process. Why not build it yourself ?

### **Core Features:**

1. Signup /login for buyers and sellers.
2. Sellers can add an item for selling. Details of the product like name, dimensions, price etc. should be taken from the seller.
3. Tags( Like books, cycle etc) should be added along with product along with brand name.
4. Search facility for the products.
5. Email facility for the purpose of initial communication.
6. Details like mobile no. etc should only be shared after permission of the seller.
7. Implement dashboard for the seller where he can easily add, edit and remove the products.
8. Implement single comments, like and dislike.

### **Advanced Features:-**

1. Implement wishlist feature - to allow users to add products they want to buy and send them notification when that product is available.
2. Comment on comment feature.

# LEVEL : Advanced.

## ● Groove.

Fascinated by the working of some of the leaders of music streaming like Spotify and Pandora? Imagine yourself building something similar? Well here's your chance.

Implement the features mentioned below and you'll have yourself a fully functioning music streaming website which will be able to compete with tech giants ( All the best :D ).

### **Basic features.**

1. User login signup facility.
2. Weekly top artists, top albums, top songs.
3. Allow users to follow artists and songs.
4. Implement add to playlist, delete from playlist option for a song.
5. User dashboard displaying all their liked songs, albums, artists.  
Dashboard should also display user's playlist.
6. A separate page dedicated to each album, each artist and each song.
7. Implement search functionality to find your favorite artist, song and album.
8. Playing song audio.

### **Advanced features.**

1. Fb login, allowing sharing of user's playlist on fb.
2. Showing what other users are listening to.
3. Implement the functionality to automatically start the song where you left it before logging off.
4. Implement video of the song.
5. Implement queue for the songs, and add song to queue feature and delete song from queue feature.
6. Implement recommended songs and artists feature.

## • Bill Splitter ₹ ₹.....

Ever had trouble splitting your bills after a dinner or trip with friends. We know it is a cumbersome task. Why don't you create a website that helps you to track your expenses and split bills or other shared expenses with your friends. Yes, you guessed that right :D The tool would be similar to splitwise.com. Please note the basic and advanced features required.

### **Basic Features**

1. Login/Signup facility for users.
2. User can create group for splitting bills. (Eg: There can be multiple groups. One for a trip, another for a dinner treat and so on.)
3. User can add others users to a particular group.
4. User should take money spent by each member of the group as input in order to settle the bill.
5. Calculate money to be paid by the members to each other. (Split expenses equally among the members)
6. Display your pending bills with each of your friends.
7. Record for cash payment when a bill with your friend is settled.

### **Advanced Features**

1. Login/SignUp using Facebook and Gmail (Use API provided by Facebook and Gmail )
2. Users receive notification when someone adds him/her to any group.
3. Users can send text/email messages to their friends as a reminder to settle bills.
4. User can choose to split the bill according to a share (not equally) among the members. The shares are to be taken as input from the user.  
( Eg: Suppose there a 3 members in a group. 1st member would pay 30%, 2nd member would pay 70% and 3rd member does not pay ).



# ● FREELANCING

Earning a bit of extra money and that's too along with learning cool thing surely don't hurt anyone. Welcome to the world of freelancing!  
Design a website that could take care of the following features..

## **Basic features.**

1. User login signup facility.
2. Separate account type for clients and freelancers.
3. A profile page for both types of users mentioning their past projects.
4. A client should be able to post a project along with some basic regarding the projects and his/her contact info.
5. Bidding system - User(Freelancer) should be able to post bid on any projects, Freelancer should mention his negotiable range of the bid.
6. Showing list of the Freelancers who bid on client's project. Client can then choose from the available bids.
7. Notification for the accepted bid to the freelancer.

## **Advanced features.**

1. Ability to login through Google/ Facebook API.
2. Ability to chat / Drop a message to another user.
3. Real time notification for projects being posted.
4. Once a project is completed, both the involved parties should be able to rate the other party.

## ● OPEN PROBLEM

Didn't get excited by any of the above statements or have any other cool idea with you? No problem. You are free to choose any other idea and build a website regarding the same. You can add as many features as you want. It's all on you. Excited??? But there's a catch :D :D ..You have to follow a theme. The theme for this problem is **SPORTS**.

Just make to sure contact any of us before actually getting your hands dirty!