Six Tasks given by our mentor Dr. Yue:

1. Study the existing swimming team’s site http://goscat.com/ to identify the top five purposes/functions the site is providing. Rank them in the order of descending importance.

2. For each function, answer the following questions:
   a. How does the current site provide the functionality?
   b. Is the current site effectively in providing this functionality? What are the relative merits and limitations?

3. Identify 2 to 3 desirable functionality that the current site does not provide.

4. Study Joomla and its community; identify seven top functions used by the community in terms of popularity.

5. For the functions identified in (2) and (3), what features in Joomla can you use to satisfy these functions? The answers for question (4) may help.

6. Compare the Joomla solution to the existing Website in terms of effectiveness and maintenance.

1. Study the existing swimming team’s site http://goscat.com/ to identify the top five purposes/functions the site is providing. Rank them in the order of descending importance.

- The website www.goscat.com provides following functions:

  5. Schedule of a meet
  4. Practice schedule
  3. Form for entering in to a meet
  2. Form for registering in to the team
  1. Time standards

2. For each function, answer the following questions:
   a. How does the current site provide the functionality?
   b. What procedure is used to maintain the currency of the functionality?
   c. Is the current site effectively in providing this functionality? What are the relative merits and limitations?

- Meet schedule:
  (a) The current site provides the meet schedule functionality; it helps the users to know the schedule of the up-coming meet. This function provides the information about the meet like the venue, date and time of the meet. It also provides links for the pictures, information regarding registration, information regarding latest up-coming events etc.
  (b) The merit of this functionality is that it displays the schedule for whole of the year, which helps the swimmer to plan out things well in advance.

Limitations of the functionality
- This function does not only provide schedule of the event but also provides other information, so it is in appropriate to call it as a meet schedule function.
- The interface of this function is not attractive.
➢ **Practice schedule:**
   (a) The current site provides the practice schedule functionality, it provides practice schedule to the users. This function provides the practice schedule and it also provides the links for the pictures, maps to the pools, information regarding upcoming events etc.
   (b) The merit of this functionality is that it provides the schedule according to the category (Nat, Jr/Sr etc).

   Limitations of the functionality
   • This function does not only provide practice schedule but also provides other information, so it is inappropriate to call it as a Practice schedule function.
   • The information provided by this functionality is not organized properly.

➢ **Meet entry:**
   (a) The current site provides the meet entry functionality; this function provides an entry form required to enter in to a meet. This function provides the form for entering in to a meet.
   (b) The merit of the functionality is that the application can be submitted electronically.

➢ **Forms:**
   (a) This function provides the registration information for registering in to the SCAT. This function also provides the information about the hotels reserved for the upcoming meets.
   (b) The current site provides the Registration forms functionality, which is to be filled by the user as a part of registration process to enter in to the team.
   The merit of this functionality is that it provides the registration information of the SCAT.

   Limitations of the functionality
   • The link of application package is embedded in between the text content which is hard for the user to find.
   • The hotel reservation information is an important information for the contestants and must be displayed either on home page or under a separate function.

➢ **Time standards:**
   (a) This function provides the time standards for the different championships. The current site provides the time standards functionality. It provides the time standards basing on the different events for various championships.
   (b) The merit of this functionality is that it prepares the user to prepare for the tournament keeping in mind the time standard of that particular championship.

   Limitations of the functionality
   • The information provided by this functionality is not well organized.
3. Identify 2 to 3 desirable functionality that the current site does not provide.

The functionalities, which are not supported by the current site, are

1. The current site does not support the registered user functionality. All the information displayed on the website can be viewed by any body.
2. The information displayed on the current website is not well organized.
3. The search functionality of the current website is not efficient.

4. Study Joomla and its community; identify seven top functions used by the community in terms of popularity.

   Joomla is a open source content management system. The popular functions used by joomla in terms of community are:

   1. Use of templates: attractive websites can be built by joomla using the templates which are widely available on the internet.
   2. Registration process: joomla has an authenticated registration process which identifies the person before letting him/her log in to the site.
   3. Joomla board: a forum board can be created by installing joomla board on to the site.
   4. Platform independence: joomla websites can be implemented on any platform.
   5. Ease of implementation: joomla is open source content management system so implementing websites is pretty easy.
   6. Wide variety of features: we can add various features on to the joomla websites by using joomla plugins, which are easy to install.
   7. Ease of maintainence: the joomla websites are easy to maintain. The main advantage of joomla is that it uses efficient scripting language such as PHP and reliable database such as MySQL.

5. For the functions identified in (2) and (3), what features in Joomla can you use to satisfy these functions? The answers for question (4) may help.

   The current site does not have the registered user functionality. The information can be accessed by anybody. In the joomla site we have three types of members they are swimmers, coaches and parents. The information relevant to different type of members are posted on the site. There is an administrator who is responsible for maintenance of the site, the administrator can also be the moderator for the forums. The messages can be posted in the forums by the concern of the moderator. A non-registered member can only view certain information, to view other information the guest must register on to the site. The future joomla site is going to provide privacy to the information.

6. Compare the Joomla solution to the existing Website in terms of effectiveness and maintenance.
The joomla website provides social networking features. It allows users to share pictures, write blogs, view videos, post messages in the forum, etc. The information on the website will not be organized the way it is organized in the existing website.