CASE STUDY- I

A Community as well as non- profit and charitable organizations promoting reuse as an alternative to discarding unwanted items. It also covers market place functionality.User can buy and sell various products. Companies can also post details of the stuff they want to get rid of in bulk. This is a secure site where SSL has been used. Site traffic analyzer is also available to the site admin. It also has a blog associated with it where the admin can post case studies of the user experience.

The admin has the ability to create admin roles of various levels, view monthly transactions, create communities, hauling company details, customize email template and specify content, also give the feature in which to the admin where any corporate can contact the admin and they can provide details of the various goods that they want to get rid of in bulk.

For analysis of project please include followings documents:

1. SRS (software requirement specification)

2. SDLC (software development life cycle)

3. Database & technologies required

4. Project Mangement

5. Quality Management

6. Cost evaluation

7. Time requirement for the completion

8. Training ,Maintance & Documentation

Design a system which will meet all the above needs of the organization. The system should be flexible and should provide growth in the organisational activities

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

CASE STUDY II

Objective: The objective of the project is to develop a software to assist ABC foundation in making decisions regarding home loans .The product will allow the client to add modify and delete information regarding the foundation invensement ,operating expenses and individual information.The product will perform the required calculations in the areas and produce the listing invensement .

Assumptions & constraints

1. The deadline must be decided and met

2. validation and fulfilment of all documents for processing

3. the product must be reliable

4. The architecture must be open so that additional functionality may be added later

5. The product must be user friendly.

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CASE STUDY III

Switching systems are among the most complex embedded, real-time software systems and offer many challenging software engineering problems. The following are their major characteristics:

1. They have complex functional specification.
2. There is a need to interface to a large input-output system with tens of thousands of lines and to process thousands of calls in parallel, with response times of well under 1 second.
3. They provide uninterrupted service in the presence of intermittent or permanent hardware and software faults.
4. There is a need for a large number of instances of the system, with individual variations.
5. There is a need to support on-line modification and enhancement over a lifetime of 20 or more years.

The particular development we study here followed the classic waterfall model primarily because the problem was well defined and the company has much experience with the existing system.

The architecture and their functions are as follows:

1. The executive
2. Call processing
3. Administration
4. Fault processing
5. Diagnostics

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CASE STUDY IV

Create a web site for tournament organizers in India. The site provides service where all tournament organizers can list their tournaments with all the required information about the tournament including venue, date of the tournament, sections, prizes, tournament fee etc. Parents/Guardians or coaches can register their children for the tournament and can even directly pay the tournament fees from the site.

 System should simplify the registration process for the parents and tournament organizers. It provides instant feedback to parents anxious to know that their child has been registered. The site also has a waiting-list along with an automated notification process when a seat becomes available.

The system should provide tournament organizers with facilities like registration, cutoff date , over all registration limit that can be specified according to school or the section, modes of payment. They can also view the list of pre-qualification candidates data list. They can also host various kind of merchandise during the registration process.
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CASE STUDY V

The Building Research Establishment required an application to handle financial and resource management.
It should be Window client-server solution, which uses Oracle as database. The application covers database editing, contractor selection, project management and resourcing.

The main aim of the application is to provide a central database of project information to enable management to report on project status to its client, the Government and the Carbon trust.

The main requirements included:

- Secure access
- Integration with the finance system to read project costs
- Exports in XML format
- Graphical chart project management system
- Form-based data entry of project information
- Management reports
- Contractor search system

For analysis of project please include followings documents :

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2. SDLC (software development life cycle)
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6. Cost evaluation
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8. Training ,Maintance & Documentation

 Design a system which will meet all the above needs of the organization. The system should be flexible and should provide growth in the organisational activities

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