Project Planning

Project Master Plan

Project Master Plan explains the detail about the every minute features and functions of the project development cycle. The project is initiated with the preparation of a formal , written master plan. The purpose of this plan is to guide the project development team throughout the project life cycle; to tell them what resources are needed, when, and how much they will cost; and later to enable them to measure progress, determine when they are falling behind, and know what to do to catch up.

Contents of Master Plan:-

Typically the plan has three major sections:-

I. Management Summary:-

It includes the brief description of the project, objectives, overall requirements, constraints, problem areas, and master schedule showing major events and milestones.

II. Management Organization Section:-

A. Project management and organization

Here we have developed a pattern on how each member of the group will take on what responsibilities and how we will collaborate all the individual work tasks done.

B. Manpower

Manpower in our project means the number of group members which are 5 persons in our group.

C. Training and development summary

As we develop our application it is always necessary for every member to have a complete knowledge of the project development and he must be trained so as to help the end users.

III. Technical Section:-

A. Statement of work

In [1.1] we have already explained our problem statement and the project scope.

B. Work breakdown

In the following section the Work Breakdown Structure is explained.

C. Responsibility assignments

Here we have divided the responsibilities among the group members in an organized manner.

D. Project Schedules

The Gnatt chart in the following section explains the our project schedule.

E. Budget and financial support

The budget required for this project is generated from the group members in an equal distribution manner.

F. Testing

In testing phase we have to test the individual modules as well as the application as a whole so that we can identify the bugs and errors in the various modules.

G. Change control plan

The control plan states that when we have to change our strategy in the entire project duration whenever we are facing problems and mistakes.

H. Quality plan

Here we have maintained the best quality that our application can be deliver.

I. Work review plan

It states that whether all the timelines are meeting appropriately and our working strategy is going as per our plan.

J. Documentation

List of documents necessary to understand the project working and behavior.

K. Implementation

This is the most important part of the our project as here we are actually coding the different algorithms and modules that we have initially designed.

L. Economic Justification

In this part we have initially implemented an algorithm called as backprapogation in neural network but later realizing that it is not much efficient we have adopted various other algorithms and finally opted for support vector machine.

M. Areas of uncertainty and risk

In this part we have tried to identify those areas where there is high amount of probability that an error will occur and it would hard to cope up with those bugs every time they arise.

Work breakdown structure:-

A project consists of numerous smaller, interrelated tasks and work elements. The procedure of dividing the overall project into sub elements is called the work breakdown structure or WBS. The purpose of WBS is to divide the entire project into small pieces sometimes called as work packages.

The first step in creating a WBS is to divide the total project into major work categories.

Here in our project we have divided the whole project into various modules as explained in the diagram. Here for the building of the AD EATER application we have divided the work module into various packages. Algorithm to be used, database design, GUI development and Implementation part is at initial level. Further at the next level we have deeper details about each work packages. Thus the entire Work breakdown structure is important for the building of any project systematically.

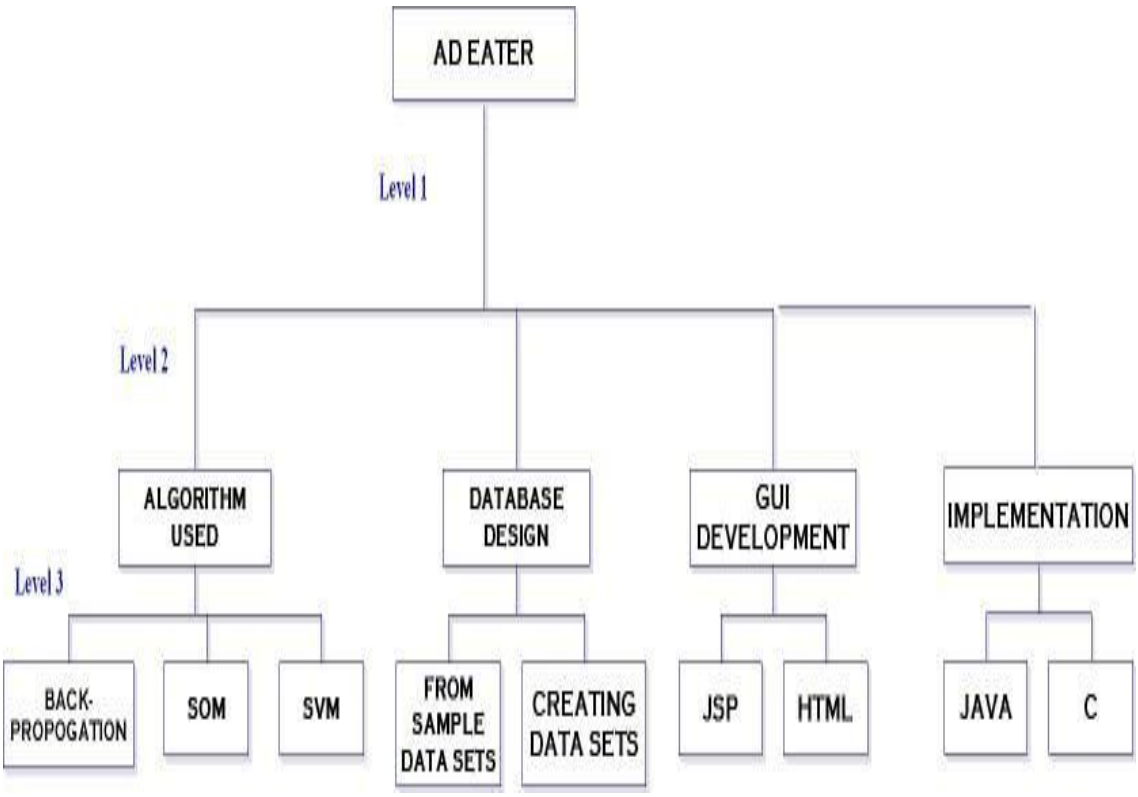
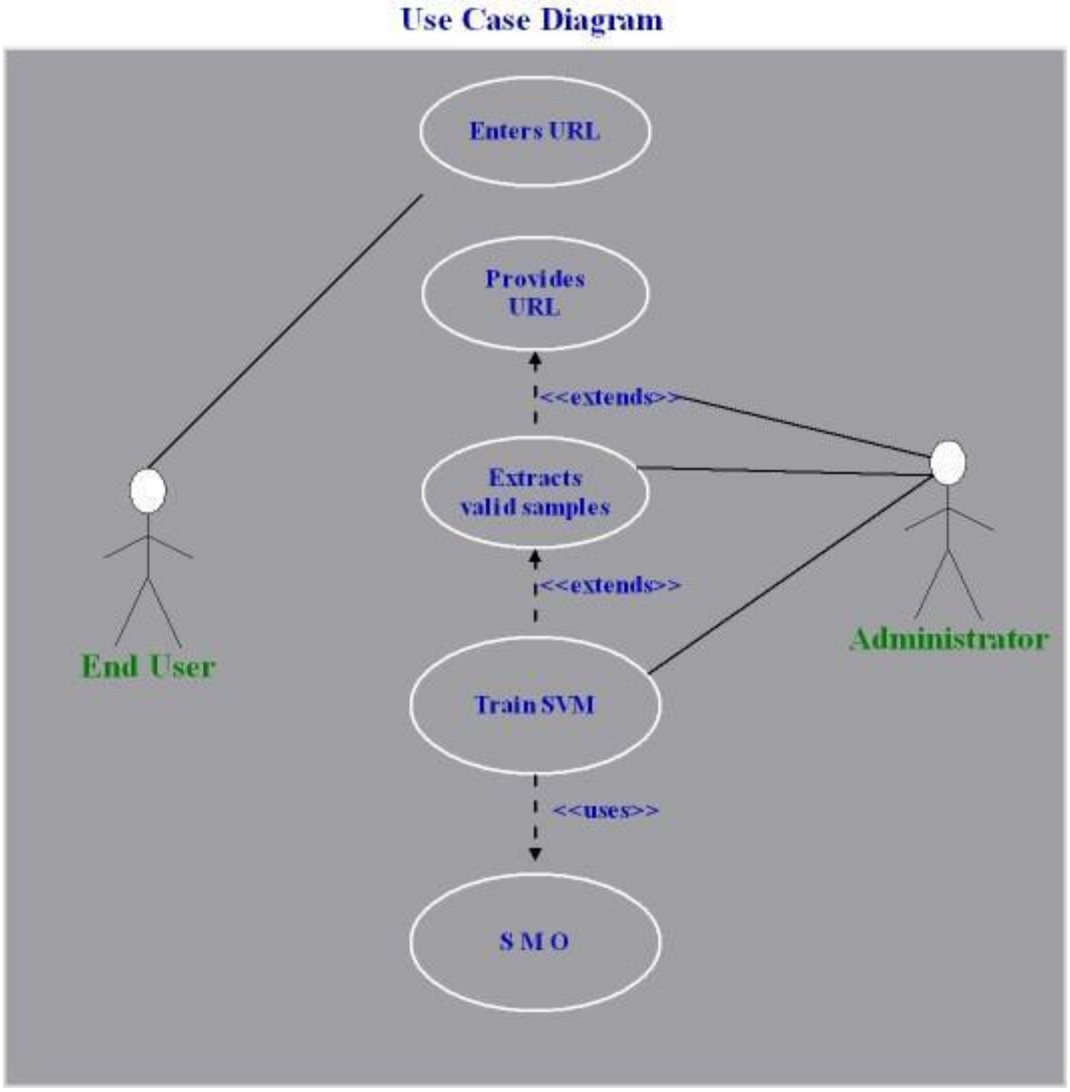


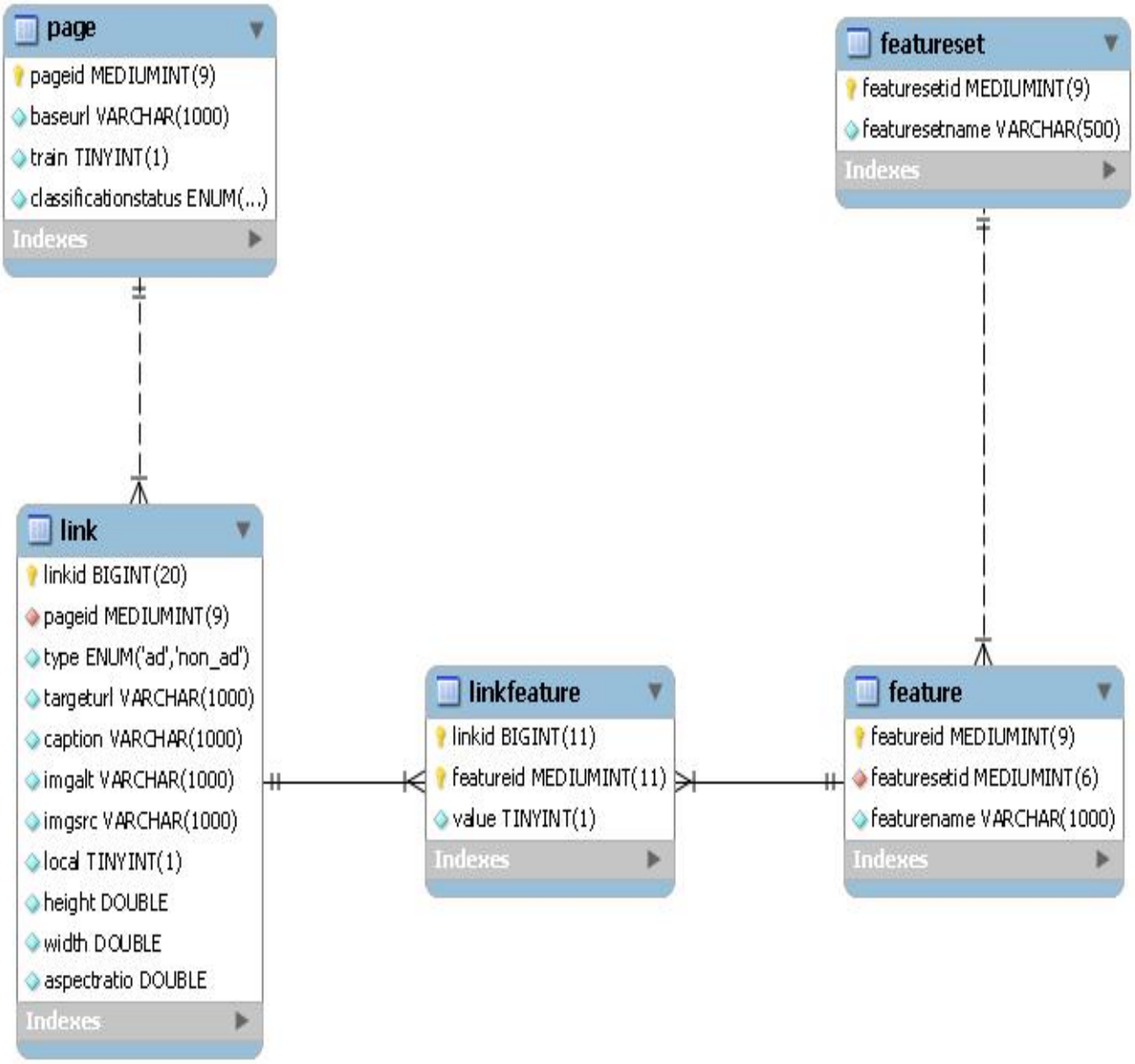
Figure 10: Work breakdown structure

The above WBS clearly illustrates the various sub elements which combined makes the whole ADEATER system. Here we have divided the work tasks into various levels of details so that more careful study of the system can be done.

Use Case Diagram.



E-R Diagram.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