DETAILED DESIGN

Introduction:

Detailed design starts after the system design phase is completed. The goal of this phase is to develop the internal logic of each of the modules identified during the system design.

The Detailed design phase primarily consists of design synthesis. This process takes the architectural design and translates it into a gate-level design which can then be mapped to the logic blocks.

Before deciding on the logic of the module, formal specification of the module may be developed. The specifications should be such that they are complete, unambiguous and precise and they do not suggest any particular implementation. Two module units are frequently chosen for formal specification.

* Functional modules
* Data abstraction modules.

The basic goal in detailed design is to specify the logic for the different modules that have been specified during the system design. Specifying the logic will require developing the algorithm that will implement the given specification.

This phase includes the specification of table structure, which makes us understand the internal logic of the system. The tables are described with their field name, data type, table constraints, description of each field etc.

Applicable Documents:

The Detailed Design refines the System Design document hence the first applicable document here is system design. We also refer the data structures. Hence the second applicable document is database design.

Structure of the Software Package:

The various functional components used are

* Admin module
* Bidder module
* Seller module

Modular Decomposition Components:

1. Admin Module

This module is designed in such a way that it allows the administrator to use any of the options easily so that the he can add, delete, modify or update any details and the tasks held by the Users.

Identification of Modules

This involves following options:

* Manage Users
* Manage Products
* Manage Bidding
* Manage Winners list
* Manage Category
* Manage News
* Manage Reports
* Manage Feedback

Structure Chart



1. Bidder Module

In this module the buyer or the product bidder can see a list of products up for bidding and can place his/her bid on the product.

Identification of Modules

This involves following options:

* Login
* View, Bid, Chat and Comment on the Product
* View Winner List
* Send the Feedback
* View Report

Structure Chart



1. Seller Module

This module is designed in such a way that the seller can post a product up for the auction.

Identification of Modules

This involves following options:

* Login
* Add, Update and Delete the Product
* View Winner List
* Reply and Delete the query

Structure chart



Flow Charts:

Login Module of User: Login Module for Admin:



Registration Module:



Category module:



Product module:



Bidding module:



Product host request module:



Package module:



Feedback module:



Change Password module:

