**Diamond shipping**

**Abstract:**

**Objective:**

The main aim of a diamond shipping system is to make the cargo service internet based so that it will be easy to use a cargo system for shipping the diamond. This system will try to reduce the time to search a cargo vehicle by providing overall information at a place. The project will make the shipping information secure while provides the status of the object that has shipped. Hence it will try to make the better relation between shipping service provider and a customer.

**Existing system:**

In the existing system, the time required to search a suitable cargo for shipment of items is high, while there is one major problem of untimely arriving of many cargoes at the hub, which further increases the time of loading, unloading which takes approx one-third of the total shipment time. The custom is one more problem by which each cargo suffers. The security is also one of the concern as the details of the shipment can access by another person, in the case of diamond, it can be harmful.

**Proposed system:**

The diamond shipping will provide a function to search the suitable cargo from the system the user can view the cost, the capability of items to be shipped and time that a cargo will take to ship the items. The system will provide online custom payment so when the cargo will reach the hub they won’t need to spend time on custom. This will manage the details as a list to provide a better view of each item and will manage the information online so that they can be accessed from anywhere. It will provide the current status of the cargo and will give estimate time of cargo to reach the destination.

**Modules:**

There are different modules which are involved in the system, these are:

**Visitor interface:**

This module allows a user to do the registration and will connect to the system, It contains information regarding the cargo.

**User interface:**

It will give the access to existing users, the user of this module can manage the information relating to them while through this they can search for an item and can add to their wish list. The user will be provided with the option to cancel so whenever they want to cancel they can do it by the system.

**Booking:**

From this module, the user can book the items and can get the information about the customer code.

**Tracking:**

The user can track the cargo from this module ad will get the information if some problem will occur.

**Software requirement:**

JAVA 1.3

JSP

EJB

XML

HTML

Weblogic 7.0

**Hardware requirement:**

Intel Pentium 3 with 550 MHz or higher

Hard disk 20GB

RAM 512 MB

Zip drive or CD-drive