**Application Analysis**

# **Possible Performance bottlenecks’ causes:**

## **Reading from unstructured database**

* **Database is fully relational**

## **Many requests to the server:**

* **Connection to database is performed once**
* **User’s related data is loaded after user’s log in**
* **Searching field filters the whole table fields instead of precising the column desired for search**

## **Pages heavy refresh with reloaded data:**

* **At each action, the refresh is done partially**
* **Css sheets are included in the header**
* **JS scripts are included in the footer**

## **Data communication between GUI and server side and database :**

* **Queries are executed at server side**
* **Data retrieved/sent from/to serverside is in JSON format via javascript**