**Personal Dairy System**

Problem Definition:

Develop an application that allows user to document their personal thoughts and experiences. The content could be in the form of sort pieces of text, pictures, audio and video. All content should be timestamped, tagged and stored online.

The Backend application should support a REST API based interaction model and support the following:

* User Authentication
* Create a new dairy entry
* Add text to the entry
* Update an existing dairy entry
* Add audio/visual content to the entry
* Get dairy entries for a time range
* Search entries by tags

Additionally if the candidate can build a web based user interface for the above it would be a bonus. If developed, the user interface should also enable sharing dairy entries on social media platforms.

Design Approach:

REST API Web Services

User Interface

REST Services: POST&GET

JSP & Servlets

Control Flow

MYSQL DB : CRUD operations

DB

Technologies used for Design:

MySQL 5.0

JAX-RX 1.0 Web Services

JSP & Servlets