Software Requirements

This document includes, diagrams of the system model, data objects and functions involved in the software or software services being developed or maintained. It is important to understand the full system requirements in order to make it easier for members of the team to effectively work together and reduce fall back.

Creating Registration Web Service in Java and C++

The application will be served using RESTful or JSON, preferably JSON where the Client-side script will POST a string/xml to the server. Upon receiving the string the Java application will pass the information to a new C++ object and call the respective methods. The software will be using Object-oriented programming concepts such as Encapsulation, Abstraction, Metamorphism and Inheritance.

Creating Java Application

The Java application will receive and parse the input and carry out one of 2 tasks. Process and store the user registration details in the database.

Connecting to the Database

Creating C++ Application

In order to fill the requirements the application is required to contain a class that consists of methods and data structures. The application is required to take user input as registration information which is then going to be stored in a database or filesystem for recording registered users in order to validate them and manipulate user data. The application is then required to construct a new object with this data and call its methods in order to check the user information and that no invalid input should be carried forward.

Connecting to the Database

Using C++ objects in Java