

**Overview**

This document contains a brief overview of the document organization. The document is organized as follows.

1. Brief Project Description
2. Requirements Mapping
3. Applications of the Project
4. Shortcomings of the Project

**Brief Project Description**

The project aims at implementing a SOAP Service Exploratory system with a search engine and service invocation mechanism built into it.

The application has been deployed at: <http://webstrar45.fulton.asu.edu/page2/>

Services have been deployed at

1. <http://webstrar45.fulton.asu.edu/page0/>
2. <http://webstrar45.fulton.asu.edu/page1/>

**Requirements Mapping**

This section indicates how the requirements needed for the project have been met. The following table illustrates the same.

Req No.	Requirement Description	Requirement Met by
1	Public, Member and Staff pages	This has been met by implementing the landing page which describes the application and its features. User self-registration and login pages have been implemented. Role based authorization has been implemented by ensuring that only admins get access to the service invoke page.
2	Local Component Layer	A DLL has been referenced to compute hash of passwords. Hashing has been implemented as a separate library.
3	Service Layer	All the six services implemented have been used and one of the external service which is a Google Search engine API has been used.
4	Data Management Layer	Authentication and Authorization have been implemented using User.xml file in App_data folder.
5	Components used in Graduate project shouldn't be used.	Out of the 6 services, 3 services used in this project are new and all other application features are additions.

**Applications of the project**

This system will be very useful for developers in the SOC paradigm because they can search, explore and test services that they desire to use before actually using in development.

**Shortcomings of the project**

The search engine part of the application doesn't buffer results. Hence, at certain times if the search query yields a lot of results, application processing time might be long and hence result in timeouts. If this is rectified, this is a project that developers can use in a very constructive fashion.