**Architecture Patterns**

**Physical Software Architecture**

External Logic

Database

Business Logic

Web Browser

**Logical Software Architecture**

Templates  
CSS  
JS

Web Browser

Python Classes/Functions

SQL Database

Google Maps API

**Component Diagram**

Close user session

Query POI item information

Authenticate user from database

Login / Registration Page  
< index >

Query POI’s from database

Individual Item Page  
< result >

City Info / POI Page  
< search >

**Data Flow Diagram**

User datastore

POI datastore

POI datastore

Login Process

API Map

POI details

Student related POI’s  
List

Student