**Cart**

store user selected class and decided class and display them to user

**ClassDataType**

Processed course information which will be used by the frontend and the middleware

**ClassManager**

store searched class for the user to select from

**CourseInformation**

the class information analyzed by the program, and become ClassDataType, which is the processed data after analysis

**Database**

store all processed course information for frontend and the middleware to use

**DotNetDatabaseAPI**

connect for the middleware and database to search with subject or class title and return the class information list

**Downloader**

download classes data from the UAlbany website

**File**

the un-analysis class data file download from the UAlbany website via Downloader

**FileAnalyzer**

process the data downloaded from the UAlbany website

**FreshmanAdvisor**

give freshmen some suggestions for classes to select from

**HomePage**

The website homepage. The User can choose to enter the search subject page or freshman guide page

**JavaDatabaseAPI**

a connecter use to update class data to the database (such as class information, teacher, time, and address…)

**MiddlewareManager**

receive the post request from the frontend, get the class information list from the database via DotNetDatabaseAPI, and return the class information list to frontend

**PrintSchedule**

save the weekly schedule as a pdf

**SchedulePlanner**

let the user select the meeting time for the class

**SearchManager**

let the user search with the subject or class title

**SearchResult**

show the searched class result list to the user

**WeeklySchedule**

a table that visualizes the meeting time of the classes