# **Project Deliverable 1 Group 9**

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**Idea 1:**

* Web application to build a student's schedule based on their “Degree Advice Report” and available classes on the student link
* The application would integrate 2 APIs, BU-cds-api, which allows you to search through courses description and times, and the Google Calendar API to generate and display potential student schedules.
* Once the application has matched potential classes to a user it will attempt to generate a schedule without overlaps
* The database would hold student’s schedule information once the Advisor report has been uploaded.
* Third party authentication through Facebook to populate user profiles. Students could share their schedule with friends on their facebook page.
* Ability to search for a particular class or classes, add them to a schedule, and then generate the rest of the user’s schedule
* The four distinct states include: User login page, application home page, search page and the generated graph page.

Idea 2:

* Web application to find and generate a spotify playlist from your favorite movies. Could also pull recently watched movies from Netflix and generate their playlists
* Database to hold previous searches, user’s favourite list.
* The application would integrate 2 API’s: The spotify API to search for the songs and make the playlist and the OMDB(Open movie db)/wikimedia api for finding soundtrack information
* 4 Distinct States: User login page, home page, search page, saved playlists/history
* Third party authentication access through user’s facebook account.