What Does This Application Do?

- Provides a solution to pool together useful resources into an integrated application.

- Key Features
  - Simpler and smoother course catalog
  - Homework management and calendar organization
  - Professor information
  - User profile and accounts
Who Is This Application For?

SJSU Computer Engineering students
UML Diagram

Assignments
- course : string
- topic : string
- description : text
- due : string
- index
- show
- new
- edit
- create
- update
- destroy

Events
- start_date : datetime
- end_date : datetime
- index
- show
- new
- edit
- create
- update
- destroy

Users
- email : string
- encrypted_password : string
- reset_password_token : string
- reset_password_sent_at : datetime
- remember_created_at : datetime
- sign_in_count : integer
- current_sign_in_at : datetime
- last_sign_in_at : datetime
- last_sign_in_ip : string
- name : string
- index
- show
- new
- edit
- create
- update
- destroy

Notes
- title : string
- text : text
- index
- show
- new
- edit
- create
- update
- destroy
Within the UML Diagram:

**Professors**

- fname : string
- lname : string
- difficulty : float
- quality : string
- comment : text
- comment_type : string
- url : string
- days : string
- times : string
- room : string
- phone_number : string
- email : string

- scrape()  
- index
- show
- new
- edit
- create
- update
- destroy
UML Sequence Diagram

User

Profile

Assignments

Calendar

New Session (Log In)

View Assignments

Delete Assignment

Assignment Deleted

Add Assignment

Assignment Added
Assignments

- Created by the user.
- Due dates help the user stay organized.
- Calendar and List views.
- Includes homework, midterms, projects, labs, etc.
Events

- Created by the user.
- Start and End times allow for best display in Calendar view.
- Can be meetings, interviews, workshops, hobbies.
Professors

- Information pulled from the web.
- Updated once daily.
- Provides users with data to make an informed decision.
- Data includes, difficulty, quality, names, etc.

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<th>Professors</th>
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<td>- destroy</td>
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</tbody>
</table>
Users

- The target audience for our application: SJSU computer engineering students.
- Enter through Log-in or Sign-up process.
- User profiles for settings.
MVC Architecture

Model Objects
- Users
- Notes
- Assignments
- Events
- Professors

View Objects
- General website display
- Basic Functions such as:
  - Assignments
  - Professor Information
  - Calendar
  - Notes, etc.
- Pictures and texts

Controller Objects
- User verification for logging in
- Establish events on calendar
- Create assignments in a list form
- Publish Notes
Demo
Questions / Suggestions?