

## Group 14: Project Charter

### BrightspaceBot

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#### 1. Problem Statement

Many college students utilize the online platform, BrightSpace, for accessing class content and managing assignments. Downloading lectures, documents, and checking due dates are frequently executed tasks that students spend too much time doing. For example, currently students must manually navigate to each class page and filter through all folders set up by their professor in order to download the appropriate resources to complete assignments. The BrightspaceBot aims to automate these redundant tasks, so that students are well prepared for their classes.

#### 2. Project Objectives

- Automatically downloads files to specified local folders or cloud services.
- Automatic connections between BrightSpace calendar and personal calendars
- Suggest students with common classes to the users to form study groups.
- Generate daily or weekly reports of notifications/updates.
- Allow the functions mentioned above to be triggered manually, or to be triggered every given period of time.

#### 3. Stakeholders

- Users: Purdue students who utilize Brightspace and online tools to organize their class content, notes, and schedule. This tool can be used by all Brightspace users across different organizations.
- Developers: Chai Hyun Park, Katherine Xiong, Kristy Huang, Raveena Nair, Shaun Thomas
- Project Manager: Siddharth Dhar
- Project Owners: Chai Hyun Park, Katherine Xiong, Kristy Huang, Raveena Nair, Shaun Thomas

#### 4. Deliverables

- Python Bot that downloads files to Google Drive, OneDrive, and/or local machine
- Python Bot to sync up due dates with Google Calendar
- Chat system where students can request study groups through conversations with the bot
  - Can be set up through emails or Discord