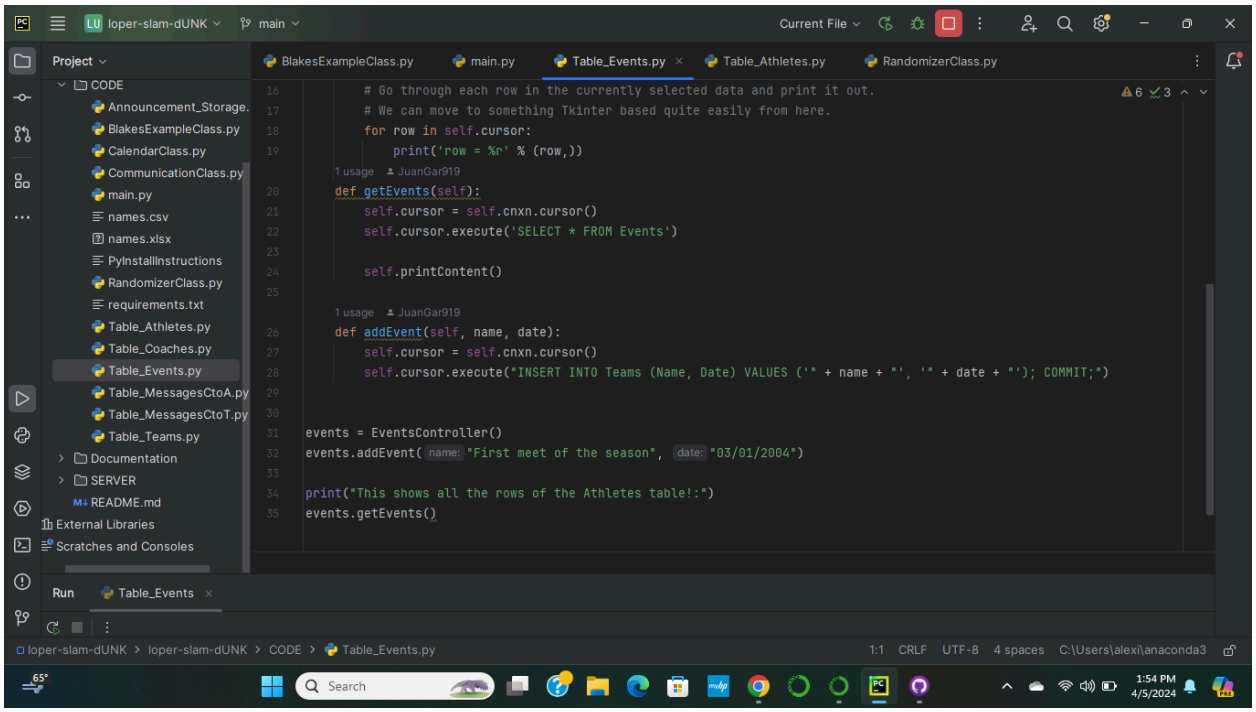
Week 2 Write up for **loperslamdUNK**

Physical Documentation

Week 2 folder within the Documentation Folder in the slam dUNK repo (GitHub). Week 2 rundown: Week 2 included Sprints 3, 4, and 5. Our team met Monday and Wednesday in person. Friday we met via Zoom (with some spotty connection). This zoom meeting taught us that working virtually is better than not working at all… but not better than working in person.

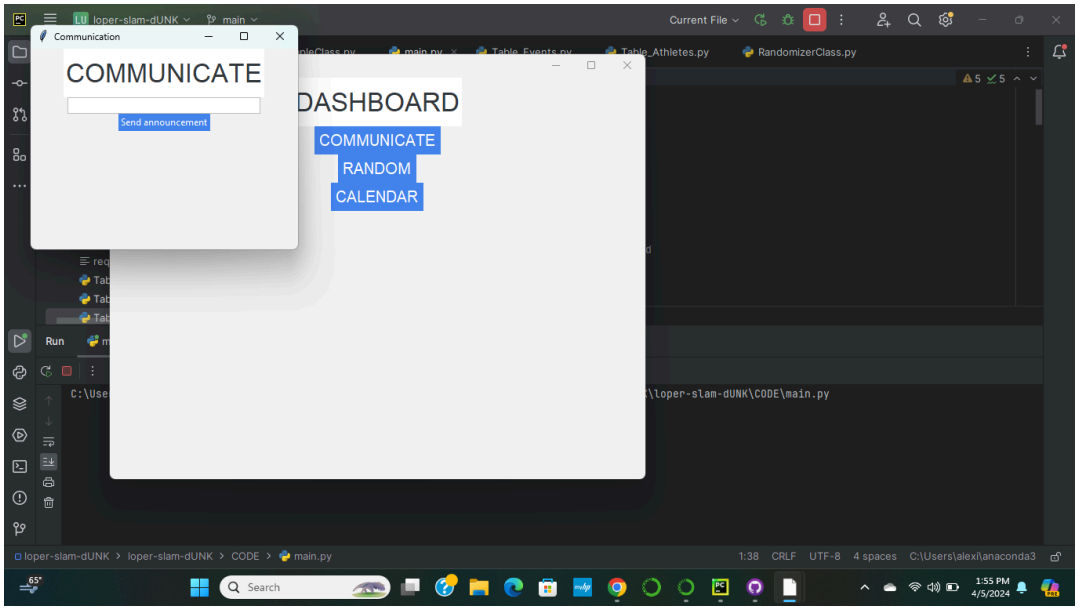
Sprints 3, 4, and 5

A large portion of this past week was working with the SQL server. According to Amazon Web Services, “Structured query language (SQL) is a programming language for storing and processing information in a relational database.” Our team is using the Microsoft SQL Server Manager. Tables were created in the SQL database and we have created .py files for those tables.

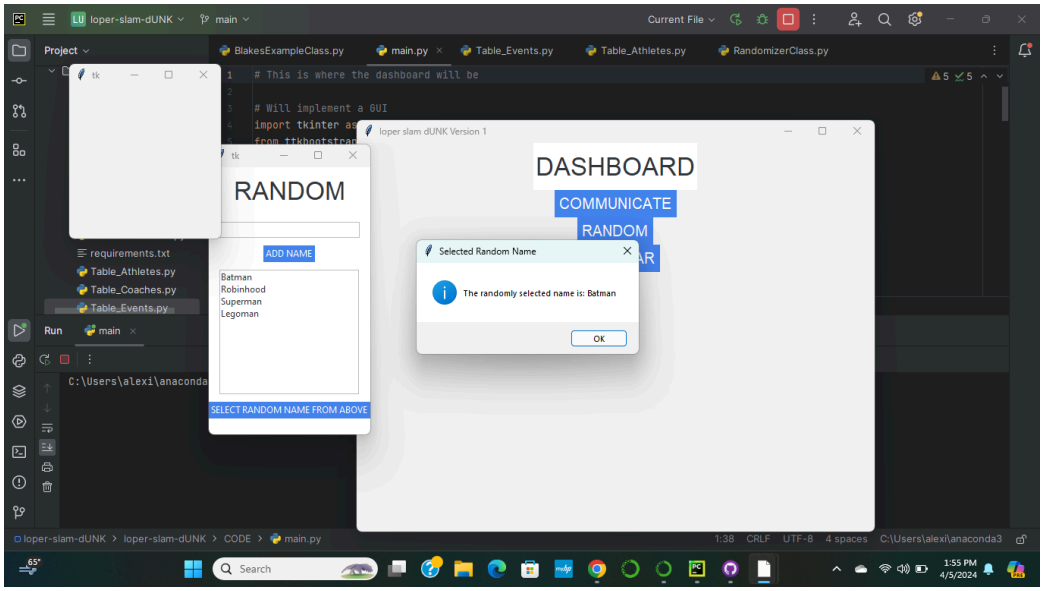


The photo above depicts the class code for one of the Tables. This is implemented in Python. We are trying to communicate from Python to SQL.

When the main.py file is run the Dashboard GUI pops up. There are three buttons on the Dashboard GUI that take the user to the application’s key functionalities (aside from storing information)

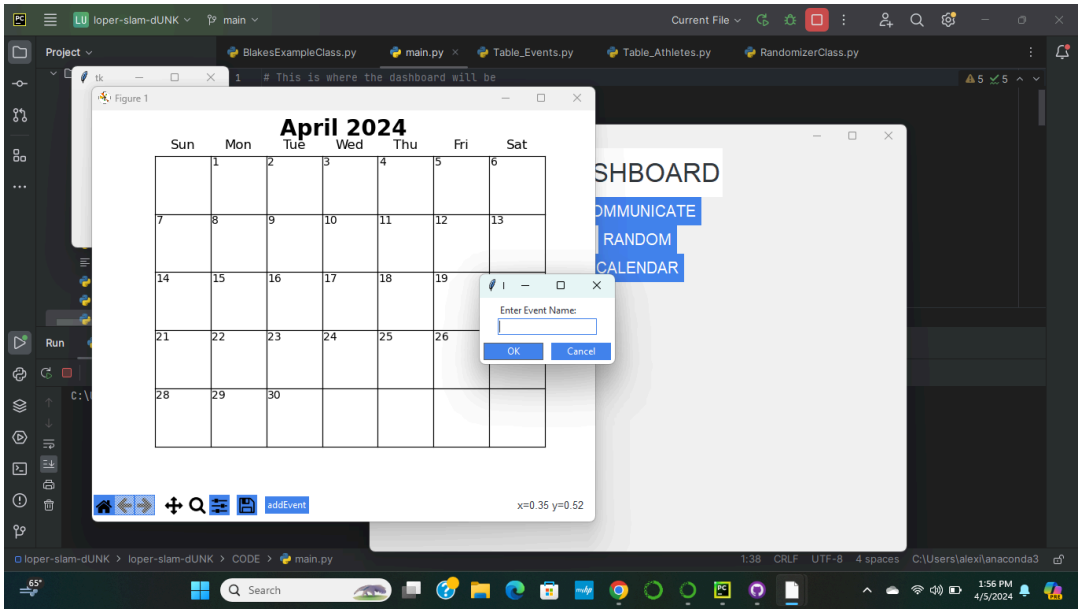


. First, communicate. This feature allows coaches to announce messages for players to see.



Second, random. The random button pulls up a random generator. This allows for a coach to

enter names and then randomly generate one of those names/athletes.



Third, calendar. The calendar functionality pulls up a calendar. Sprint 4 we've added a button to the GUI so the coach can add an event to the visual calendar.

The MAIN readme MUST provide a "Getting Started" tutorial to run your code.

Main: Getting Started: loper slam dUNK is a software application coded in Python.

Multiple .py files and classes go into loper slam dUNK. The main.py file contains the connected code to run the software. As of Sprint 5, to run loperslamdUNK a user must run the main .py file. Then, a dashboard GUI will generate. There are three buttons that lead to the three main functionality components that appear on the dashboard. Users can choose to communicate, random generate, or pull up an events calendar.

Sprints 3, 4, and 5 have been focused on implementing functionality and connecting the buttons. Sprint 3 and 4 the SQL tables were created to allow for storage. Sprint 5 and 6 primary focus will be connecting those SQL tables to the GUI. Additionally, multiple screens come up (using tkinter) when main.py is run. Those screens need to be consolidated into one.

Sprints

The Scrum Master has a Standup with the team to plan the Sprint - This is a team effort, the SM only guides. Standups were held Monday, Wednesday, and Friday.

Requirements are planned and User Stories created - Don't forget security. Tasks were assigned and then tiles were created using KanBan. The main security implementation focused on is the SQL server.