DeepRob

Discussion 1
Intro to Python, Pytorch and Colab
University of Michigan and University of Minnesota

Today's Agenda

- Administrative Announcements
- Introduction to Project 0
- Project 0 development demo
- Troubleshooting

Enrollment

- Additional class permissions being issued
  - Both sections (498 & 599)
- If you don’t receive a class permission by next Tuesday’s lecture, contact Anthony and Prof. Jenkins

Discussion Forum

- Ed Stem available for course discussion and questions
  - Forum is shared across UMich and UMinn students
  - Participation and use is not required
  - Opt-in using this Google form
  - **Discussion of quizzes and verbatim code must be private**

Today's Agenda

- Course Announcements
- Introduction to Project 0
- Project 0 development demo
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Project 0—Introduction

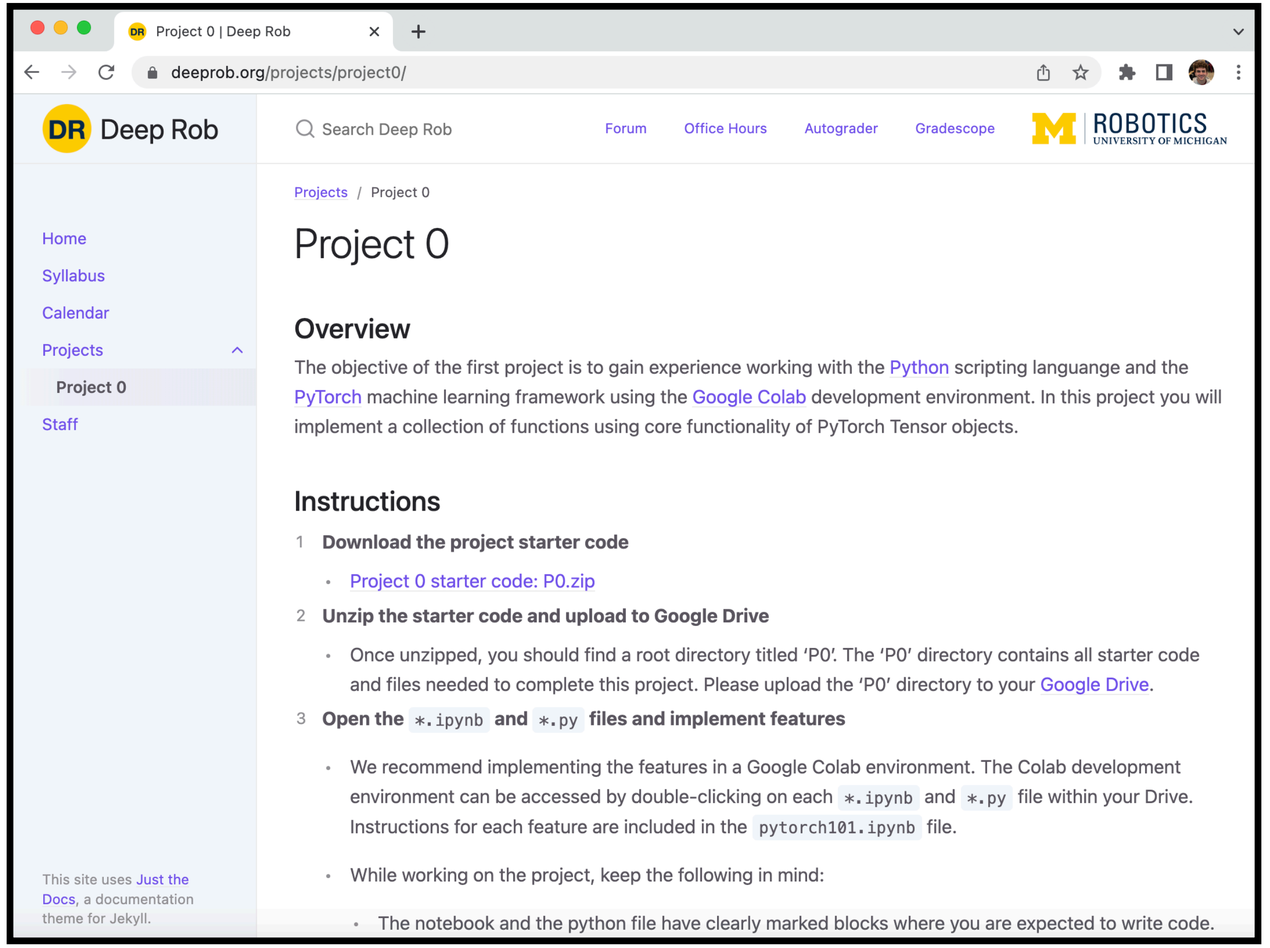
- Objective
  - Gain experience working with Python, PyTorch and Google Colab

- You will implement a collection of functions using PyTorch Tensor objects

Project 0—Logistics

- Instructions and code available on the website
  - Here: deeprob.org/projects/project0/
- Uses Python, PyTorch and Google Colab
- Introduction to PyTorch Tensors
- **Due next Thursday, January 12th 11:59 PM EST**

Project 0—Instructions



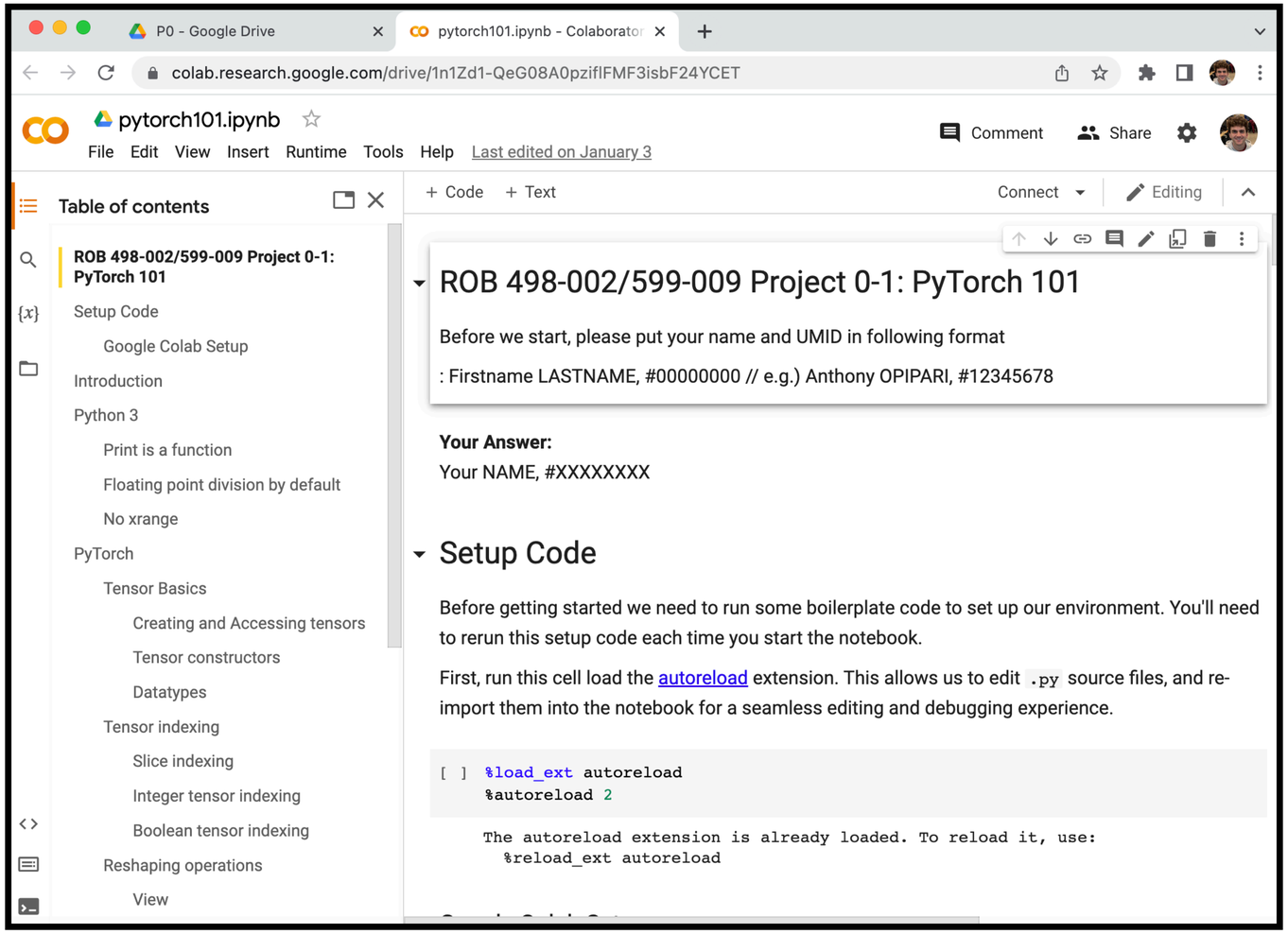
Project 0—Instructions

1. Download the project starter code
2. Unzip the starter code and upload to Google Drive
3. Open the *.ipynb and *.py files and implement features
4. Submit your implementation for Autograder feedback
5. Download final implementation
6. Submit your python and notebook files for grading

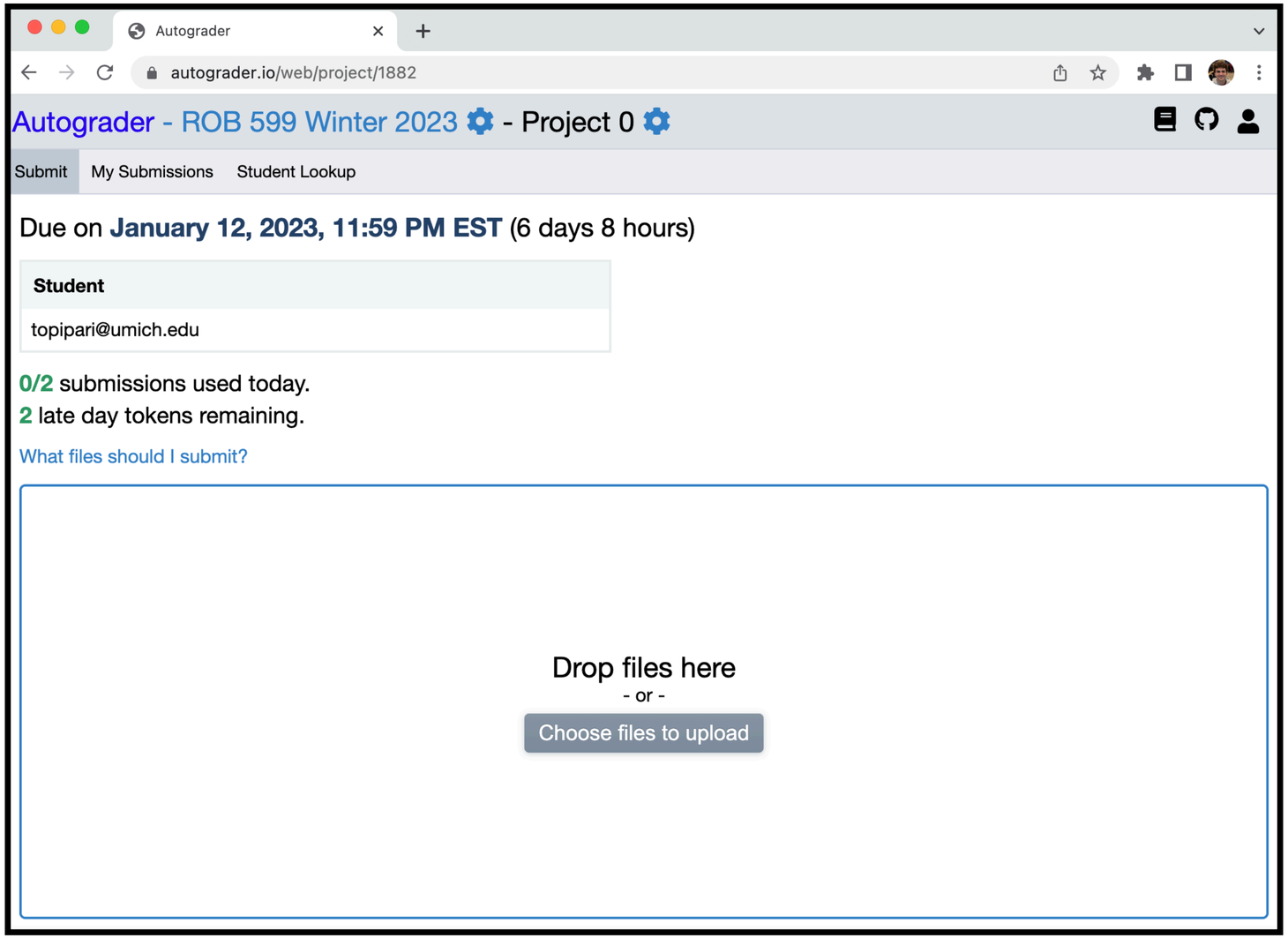
Project 0—Development Env.

- Course projects will be implemented on Google Colab
  - A cloud computing service
  - Requires minimal setup
  - Access to GPU resources

Project 0—Development Demo



Autograder


Autograder
autograder.io/web/project/1882
Autograder - ROB 599 Winter 2023 - Project 0
Submit
My Submissions
Student Lookup
Due on January 12, 2023, 11:59 PM EST (6 days 8 hours)
Student
topipari@umich.edu
0/2 submissions used today.
2 late day tokens remaining.
What files should I submit?
Drop files here
- or -
Choose files to upload