

[15-112] Lecture 15

What is a term project?

- You can make almost **anything**, so long as it follows the rules outlined in the TP assignment, has a **rich interactive user experience**, and at least **one interesting algorithmic aspect to the solution**.
- Your idea does not have to be new, so if you want to recreate something that already exists, that's perfectly fine.
- Check out TP Gallery!
- Default scaffold project: The Bee Project [Show Demo]

How is it graded?

- Code organization
 - Is your code readable?
- User experience
 - Is it richly interactive? User-friendly?
- User interface
 - Visually, is it aesthetically pleasing?
- Algorithmic complexity and sophistication
 - Demonstrating 112 skills? Using OOP, recursion, other algorithms or data structures?

Reach MVP and you get an 80 for the code portion!

- Code organization
 - Is your code readable?
- User experience
 - Is it richly interactive? User-friendly?
- User interface
 - Visually, is it aesthetically pleasing?
- Algorithmic complexity and sophistication
 - Demonstrating 112 skills to implement algorithm(s)?

The Bee Project [Show Example MVP]

Some rules/policies:

- Must use Python & CMU Graphics
- You must do a tech demo to use a module
- Some modules are disallowed until after MVP
- **You must attend all TP meetings with mentor**
- All code and design documents submitted to Autolab at deadlines
- You must cite all sources
- The project is completely solo
- No extensions

TP confirmation: Due Friday at 5pm

- TAs will reach out for Ideation meetings
- You must confirm your project decision by filling out a form due Friday at 5pm
- **If you do not submit the form on time, you will have to do the Bee Project (NO EXCEPTIONS)**
- Will assign TP mentors later this week or over the weekend.

Important dates (all deadlines at 5pm)

- TP confirmation form due Fri, Jul 28
 - TP Ideation Meetings this week
- TP0 + (optional) Tech Demo due Tue, Aug 1
- TP1 due Sat, Aug 5
- TP2 due Tue, Aug 8
- TP3 due Thu, Aug 10
- TP Showcase Fri, Aug 11

After each TP deliverable, you will have a short meeting with your TP mentor.

TP Deliverables

TP0 - Design document

TP1 - Preliminary code (~400-600 lines)

TP2 - Reach MVP

TP3 - Final code & video demo

TP0 + TP1 + TP2 == 1 Quiz (9%) (half-weightable)

TP3 = 15% of grad