

Week 1 Lecture Notes

Welcome to Y2 Yearlong!!

[Welcome to Y2 Yearlong!!](#)

[Part 1: Logistics](#)

[What will we cover?](#)

[What will each day look like?](#)

[Where can I find course materials?](#)

[Tracking Progress](#)

[Missing Days](#)

[Office Hours](#)

[Slack](#)

[Questions or Concerns?](#)

[Part 2: Looking to Y3 : The Y3 Incubator](#)

[Y3 Vision](#)

[Y3 Milestones to Graduation](#)

[Getting There -- Yearlong Milestones to Y3](#)

[Part 3: Tips for Success](#)

[Communication](#)

[Staying in the Learning Zone](#)

[Creativity](#)

[Research & Independent Study](#)

[Critical Thinking](#)

[Teamwork](#)

[Utilize Resources](#)

[Part 4: Assignment Submission Workflow & Activity 1](#)

[Part 5 - Week 1 Activity](#)

Part 1: Logistics

What will we cover?

In the next 22 weeks, we will touch on some of the more advanced topics of computer science and tech entrepreneurship. The course material is subject to change, but as of now some high-level topics include:

- How to build a Startup
- Project Management
- Working with Databases
- Working with JavaScript
- Object-Oriented Programming
- Deploying and Scalability
- Product Design, UX/UI
- Creating Pitch Decks

What will each day look like?

Most typical days will look like this:

5:00pm-5:30pm : Warm-up Exercise

5:30-6:30 : First Session

6:30-7:00 : Break

7:00 - 8:00 Second Session & Wrap-up

Of course not all days will be this way but I will let you know on special days where this isn't the case. Sessions will typically be heavily focused on doing and less on me lecturing. I am trying to make a goal to never speak for more than 5 minutes at a time, so help me get there.

Where can I find course materials?

The course syllabus and materials can be found on the MEET Y2 2016-2017 Yearlong Repo:

https://github.com/meet-projects/welcome_Y2_yearlong

Bookmark this page as you will be referring to it very frequently. Each day, at the beginning of class, find a partner and delve straight into the warm-up exercise. If you can't find a partner, get started on your own until a partner arrives.

If you miss a lecture and need to complete the necessary assignments, go straight to the repo to complete the assignments.

Tracking Progress

Each week we will be keeping track of how well you are doing in the program, this is a tool to help us make sure everyone is getting the most out of this educational experience. We will be tracking:

- Attendance
- Class Participation
- Citizenship
- Assignment Completion

For each of these categories there is a color-coded marking for that day



Green - Present, Active participant, upholding MEET values, completed assignments



Yellow - Missed a portion of class, sometimes participating, room for improvement with MEET values, partially complete assignment (may require re-submission or tutoring)



Red - Absent, completely unengaged, showing total disregard for MEET values, unsubmitted/blank assignment

Please don't get any red marks.

Missing Days

If you have to miss a day from the program, please let us know as early as possible. You will be expected to complete the assignments in office hours or on your own to absolve you from any red marks for that day.

Office Hours

Open Hub days are **Tuesdays** in Jerusalem and **Wednesdays** in Nazareth. I will try to be there anyway for most of these events but please let me know beforehand if you will need tutoring from myself or the TA's so we can plan accordingly.

Slack

Slack will be our main method of communication. Please go ahead and join the #y2_yearlong_2016-17 channel. Send me a direct message if there is something you would prefer to discuss in private.

Questions or Concerns?

If any of this won't work for you please let me know. I will uphold the highest level of confidentiality in our 1-on-1 conversations unless you consent for me to involve others.

Part 2: Looking to Y3 : The Y3 Incubator

So, as you may have heard, a lot of things with the yearlong curriculum this year. In order to better understand our motivations for these changes, let's start with our vision for Y3 and move backwards.

Y3 Vision

“Challenge the current reality in the middle east by showcasing examples of **healthy egalitarian bi-national entrepreneurial ventures** carried out by MEET students.”

egalitarian (adj) - relating to or believing in the principle that all people are equal and deserve equal rights and opportunities.

This means that as Y3 students you will be creating **real** companies with **real** customers making **real** impact among your local communities. And the entire staff will be here cheering for you along the way.

Y3 Milestones to Graduation

Launch Party - At the end of the first week of Y3 your companies will be up and running, and visible to the outside world.

Networking Night - We are planning an evening where you will meet with several local entrepreneurs, get feedback, and make connections for improving your business

Version 2.0 Release - After getting customer feedback, you will incorporate enhancements to your product for a secondary release.

Investor Meeting - An event where you will pitch your startup to investors and discuss plans for fundraising and growth.

Graduation - Celebration for three years of hard work and acknowledgement of the acquired skills graduates have attained to create positive impact in the Middle East.

Getting There -- Yearlong Milestones to Y3

Core Curriculum

- learn how to create & manage a startup
- pitch an idea to potential investors
- creating a usable web application prototype
- mostly working in pairs or small groups

Deeper Understanding

- research and case studies delving deeper into local issues
- ideation to help come up with solutions to these issues
- team building and cross-cultural communication

Capstone Project

- independent project showcasing CS and project management skills

Pitch Deck & MVP Creation and Competition

- groups of 3 will work to create a pitch deck for a startup idea
- At the end of the program you will pitch to a panel of entrepreneurs
- Selected pitches will be chosen by the panel to be funded in the Y3 incubator
- Larger teams will be formed to convert these pitch ideas into startups

I'm sure you have a lot of questions and concerns, and I am open to hearing all of them but more details will be available as these dates come closer.

Part 3: Tips for Success

Communication

- If something isn't working for you, let it be known
- Use slack to facilitate group chats and to stay up-to-date on last minute updates
- If you need help or want extra practice, I'm happy to help!

Staying in the Learning Zone

- If you are in your comfort zone, push yourself to learn more

- If you are in the panic zone, please take a deep breath, come back to your comfort zone, get help, re-evaluate, and try again.

Creativity

- This yearlong will be very demanding of your creativity as well as your academic rigor

Research & Independent Study

- Sometimes you will have to go out and explore things on your own instead of being told explicitly what you need to learn

Critical Thinking

- Try to understand topics on a deep level. The “because this is the way we’ve always done it” mentality will not get you far.

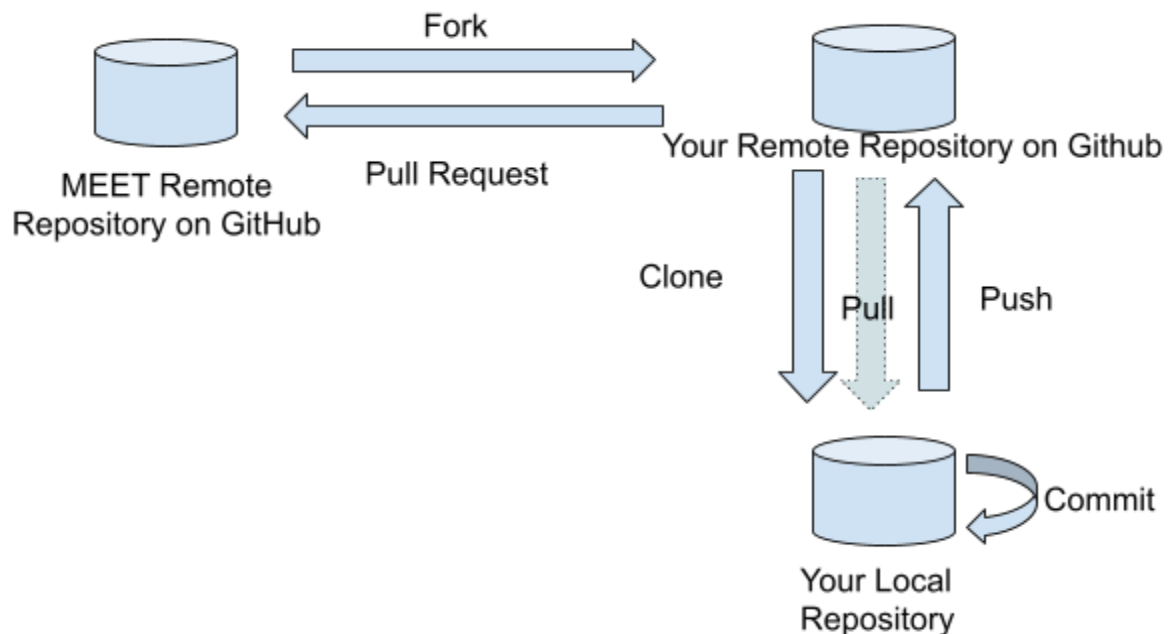
Teamwork

- Transparency & team organization is crucial for a successful academic year. Try not to become too attached to ideas or individual roles but more so on what you can do for the greater good of the team.

Utilize Resources

- Ebooks, videos, tutoring, and chat rooms will all be great resources for you to use to accomplish your desired tasks

Part 4: Assignment Submission Workflow & Activity 1



In order to submit assignments, you will fork a repo containing the day's activity. A **fork** is just making a copy of an existing GitHub repository and saving it on your own account. Then navigate to your own copy of the repository and **clone** it to your local machine. Open the code and complete the activities, remembering to **commit** to save any major changes. (You can perform a **pull** if you are working collaboratively with others but if you are working alone or on just one machine, this step isn't necessary.) When you are ready to send your changes back to your GitHub account perform a **push** to upload the code back to GitHub. From there you can do a **pull request** to the original MEET repository so we can see your solutions. Inside the pull request add a note with you and your partner's name as well as feedback about how the day went. Be sure to use the "add collaborators" feature in settings on GitHub such that you and your partner both have access to the repository later on.

ABC - "Always Be Committing"

Part 5 - Week 1 Activity

Go to the welcome repo and begin the week 1 activity with a partner.