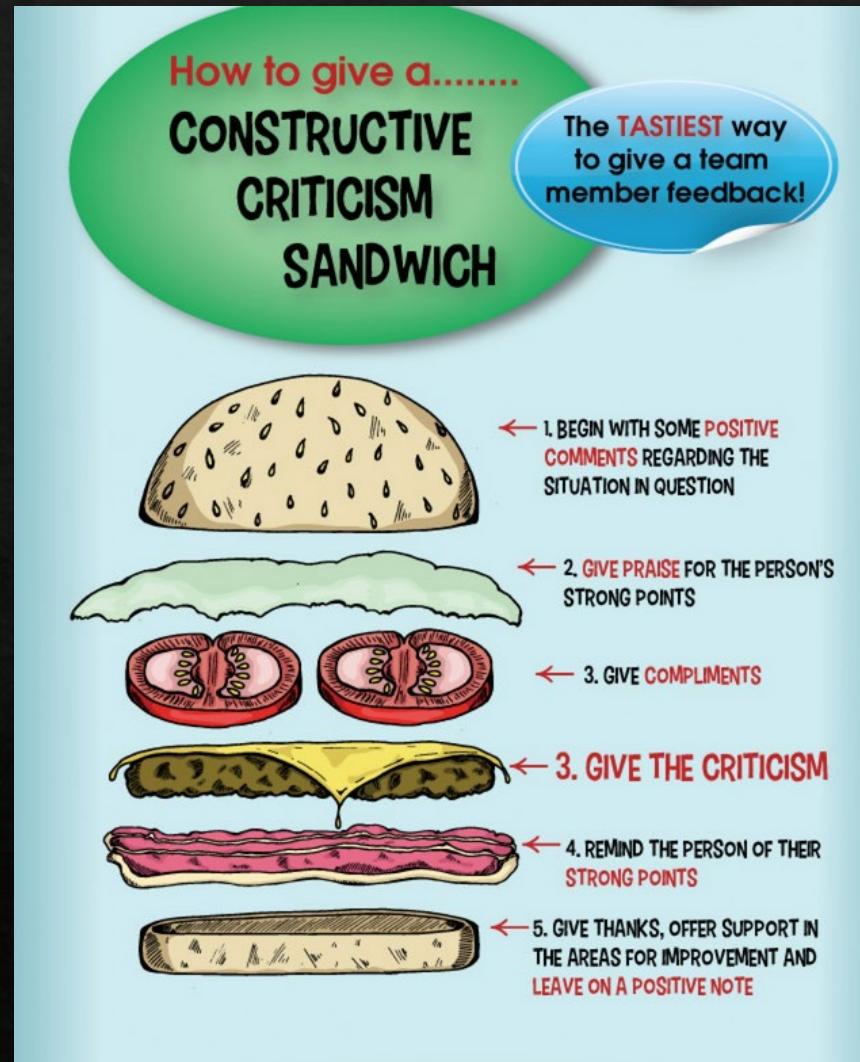




Tech Portfolios

Recap

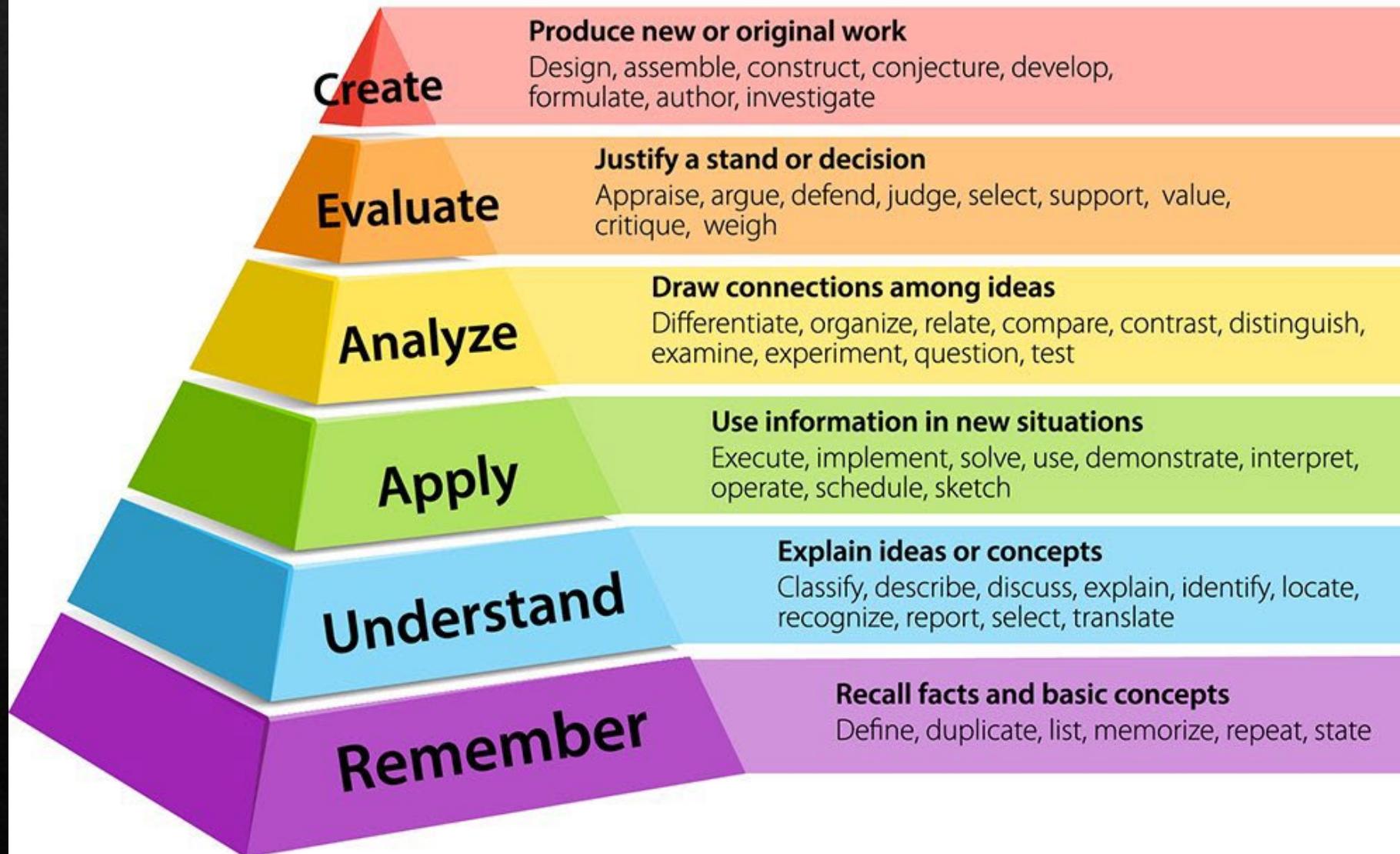
How do you give feedback tactfully?



How do you give feedback to your peers based on their performance?



Bloom's Taxonomy



Types of questions

Questions that seek clarification	Questions about viewpoints and perspectives
<ul style="list-style-type: none">• What do you mean by...?• Is this your main point?• Could you put it another way?• Why did you say that...?	<ul style="list-style-type: none">• How does this benefit the [stakeholder]?• Would the [stakeholder] think that...?• Who benefits from this? What's in it for them?• Why is it better than...?
Questions that probe assumptions	Questions that probe implications and consequences
<ul style="list-style-type: none">• Are you assuming that...?• What are you assumptions about...?• Is this always the case?• Does your reasoning depend on...?	<ul style="list-style-type: none">• When you say... are you implying?• But, if that happened, what else would happen as a result? Why?• What are the implications of that?• So... how does this...?
Questions that probe reasons and evidence	Questions about the question/problem
<ul style="list-style-type: none">• How would we know/do we find out/determine if it is...?• Why do you think that is...?• What evidence are you basing that on?• Do you have any evidence for...?	<ul style="list-style-type: none">• Why is this issue/problem important?• How can we find out?• Are there other questions we need to ask? Other (more pertinent) problems we need to address?• Can we break the question down a bit?

Dialogue for deeper understanding

1. Ask questions

- ◊ Why did you include this? What do you mean by ...? What is the connection between ... and ... ?

2. Observe what the other person might have missed

3. Elaborate with the impact

- ◊ The evidence supports ... but not ... part of your assertion. This can make your assertion appear less credible.
- ◊ The intro is appropriate for the audience but doesn't seem aligned with the purpose. What is your needs analysis?

4. Suggest after dialoguing

Comment 1

“There are dozens of little start-ups doing exactly what you’re doing! Then there are all those big guys, with their entrenched market share. It’s a jungle out there, and you’re only just getting off the ground! What on earth makes you think you can survive?”

Comment 2

“Wait a minute! You tell me that your product is going to save us money, and then you quote a price that’s twice as much as your competitor asks! That’s outrageous! Where do you get off charging so much?”

Comment 3

“You look like a kid! I doubt that you’ve been in the business very long. I’ve been in the industry since before you were born, and now you come in here and tell me how I should run my business. Where do you get off telling me what to do?”

Comment 4

“Your new solution appears to be very effective, but you’ve only just released it. You don’t know if it has any kinks (flaws). I’d like to see it field-tested before I commit. It’s not for us at this time.”

Summary of Strategies for Difficult comments

- Identify the central issue
- Paraphrase effectively
 - Take control of the meaning
 - Avoid repeating charged words: Neutralise hostility
 - Be Concise: Use as few words as possible
- Convert charged statements into questions
- Apply the PEEL structure



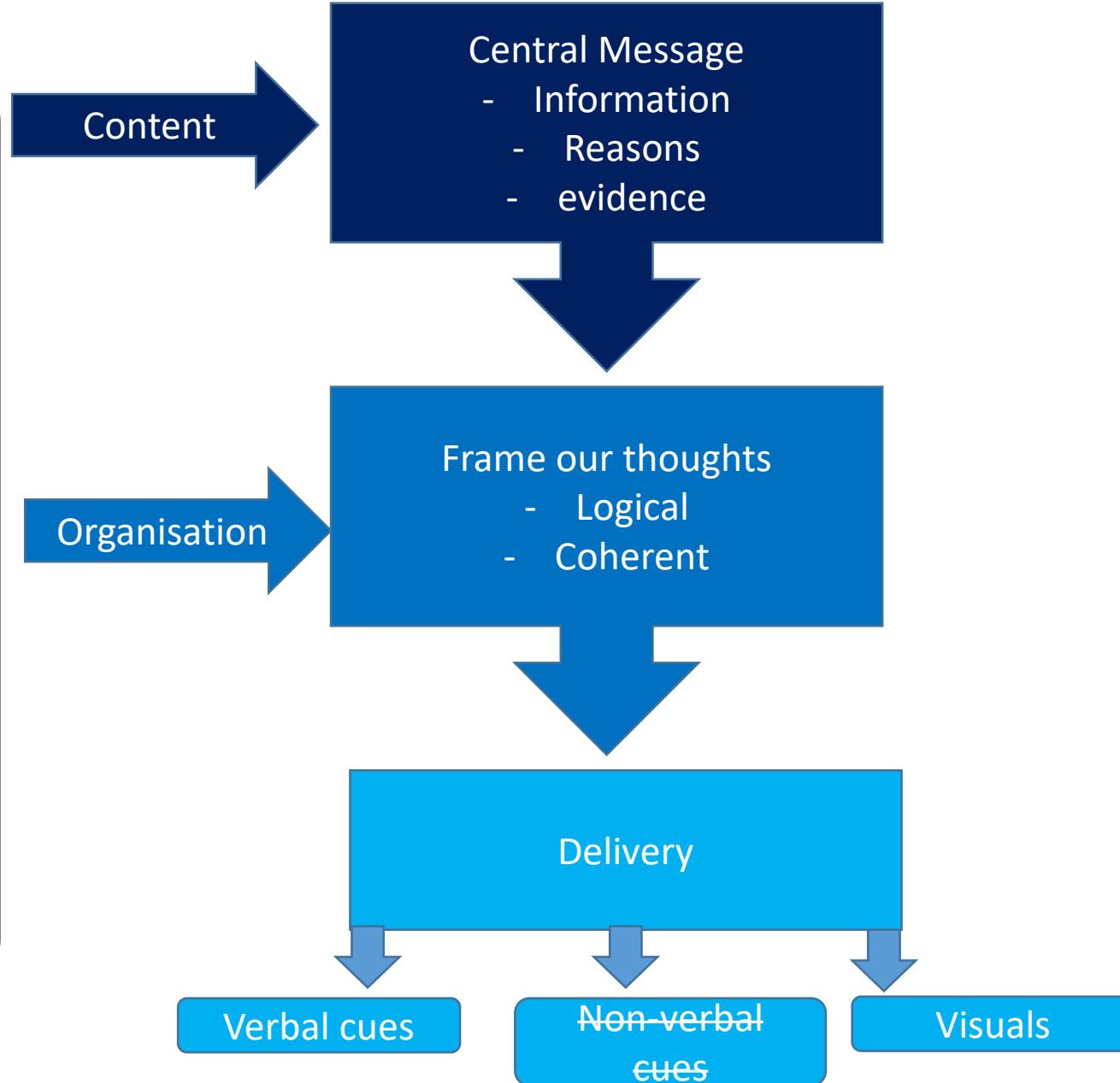
Tech Portfolios

Learning Outcomes

- Appreciate the role of technical portfolios (e.g., programmer, coder) to showcase technical skills and supplement resumes
- Understand the basics of an online tech portfolio by conducting a strategic needs analysis
- Write a personal tagline that highlights your unique selling point
- Consider what you want to include in your tech portfolio and how you will deliver it

Activity 1

- What is a technical portfolio?
- What is the context, audience and purpose of a technical portfolio?

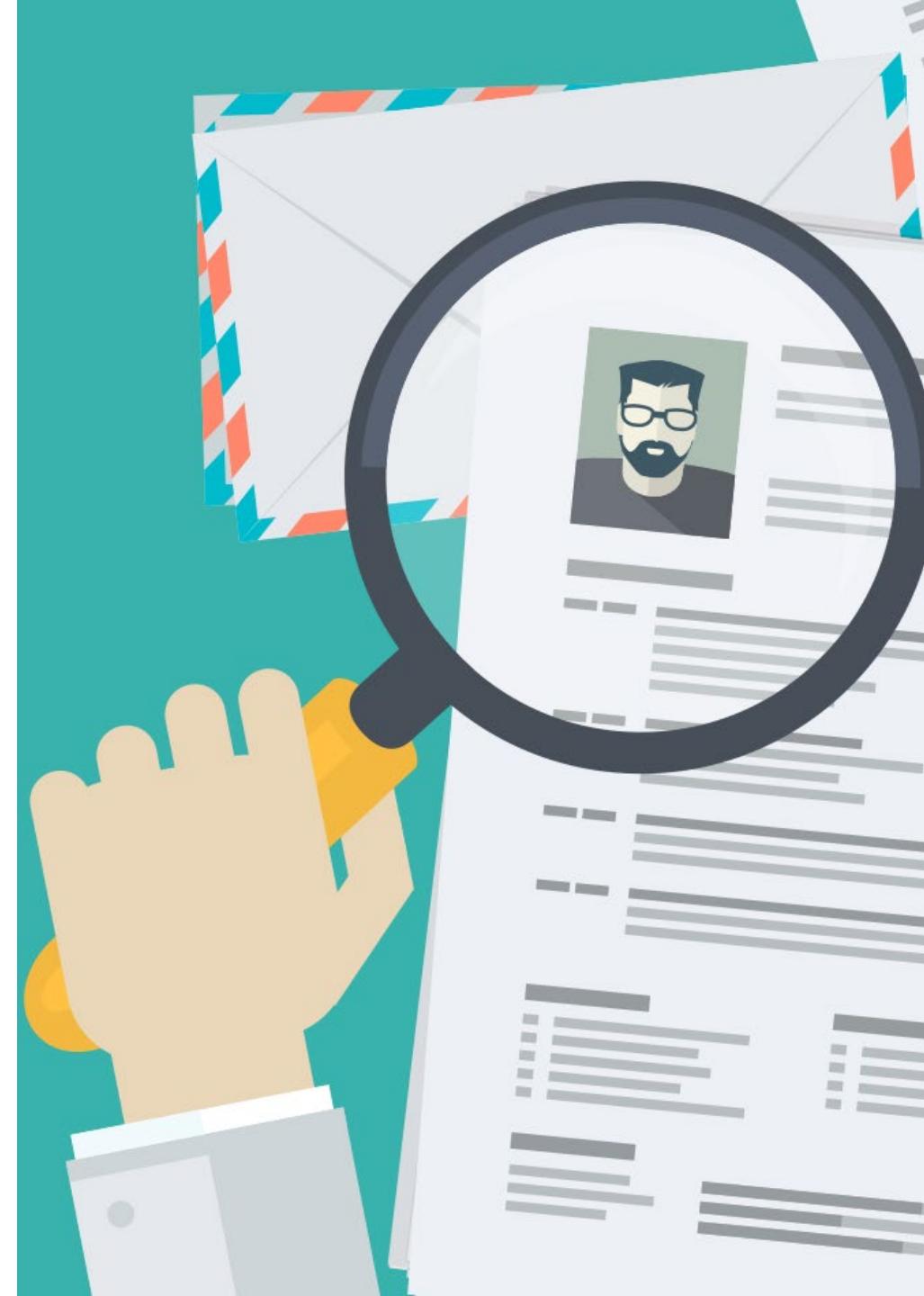


Activity 2

- What are the differences between a resume and a technical portfolios?
- What do you think should be included in tech portfolios?

"Your resume shows:

- which programming languages you are proficient in
- how you acquired your technical expertise
- which companies you have worked with
- what quantifiable results you have achieved for clients
- if you have leadership experience."



BUT

Can you?
Prove it?



"Employers and clients want **evidence**.

They want to see something **tangible** to back up the claims you have made in your resume.

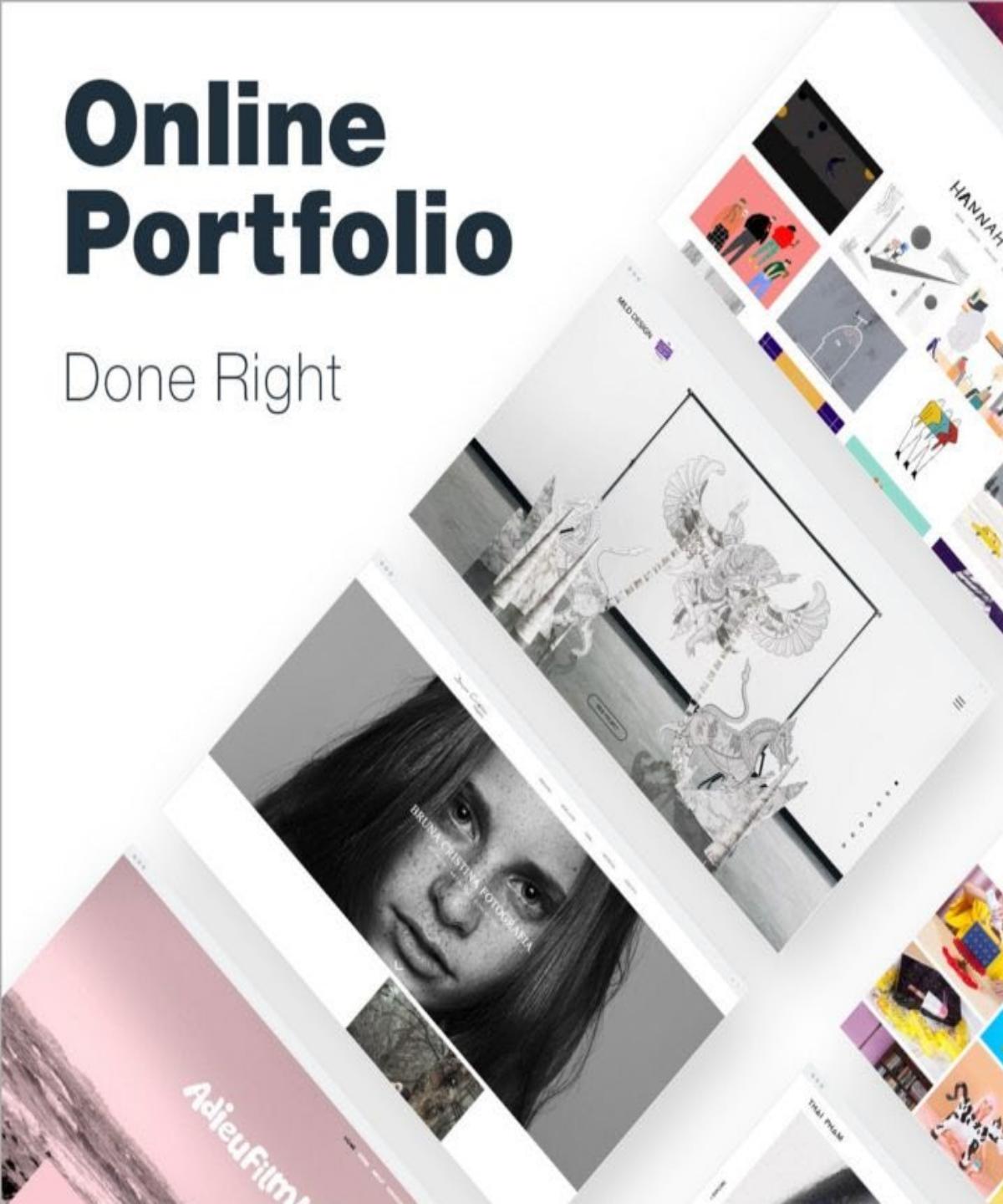
This is where your online
Tech Portfolio comes in

They want to see something **tangible** to back up the claims you have made in your resume.

- what libraries you are familiar with
- the tech stacks used in your previous projects
- the functionality of completed projects
- how you built those projects
- if your code is clean and readable
- the industries you have experience in.”

Online Portfolio

Done Right



A portfolio is **NOT** a resume.

A tech portfolio enables you to:

- Verify your claims by **showcasing your work**
- Highlight your **personal brand** by expressing your technical skills, soft skills and even personality.

A tech portfolio helps potential employers / collaborations:

- understand how you may fit into their existing **company culture**
- whether you would **succeed** in the role / collaboration

Coding Portfolio Increases Odds of Job Interview

 Catherine Powell

 June 18, 2012

 Career Toolkit

 48

Alternative Resume, Coding Portfolio

If your job is about producing software, the number one thing I need to know about you is how you produce software, preferably in an environment like the one I'm going to put you in.

Additionally, I need to know you can write code well, understand how to work on a team, use source control, and that you can design and maintain code you haven't written. I need to know what your coding habits and whether they're compatible with my team. In other words, I want to see your work. That's your true resume.



So why not make me a resume with your actual work in it? Designers have their portfolios with examples of the work they've done. Why not engineers, too?

What do job-seeking developers need in their GitHub?

Show you can code

A portfolio of code is primarily used to demonstrate basic programming ability and an understanding of fundamental concepts. It can also serve as a catalyst during interviews that helps facilitate deep explorations into the thought process behind a technical decision. These conversations are what make for great interviews, and the opportunity to discuss familiar material (your GitHub repos) will be far more comfortable than [fielding random technical questions](#).

The GitHub portfolio is certainly not the be-all and end-all when it comes to a job search, but it's clearly an advantage that helps answer the critical "Can you code?" question by showing instead of telling.



Dave Fecak
Principal
Fecak Inc.

Useful for
showing, not just
telling



Sample Tech Portfolios

Activity 3:

- Take a look at these three authentic samples of technical portfolios.
 - Which do you prefer and why?
1. whoisjuan: <https://www.whoisjuan.me/>
 2. Ian Lunn: <https://ianlunn.co.uk/>
 3. Matthew Williams: <http://findmatthew.com/>

Sample Tech Portfolios

Activity 4:

Work in pairs to analyse these authentic samples in terms of its **Content, Organization and Delivery**.

1. whoisjuan: <https://www.whoisjuan.me/>
2. Ian Lunn: <https://ianlunn.co.uk/>
3. Matthew Williams: <http://findmatthew.com/>

A. What content do these portfolios include?

- What content do you think is useful to persuade the reader to employ or collaborate with you?

B. How were the portfolios organised and delivered?

- What makes it appealing or unappealing to the reader?

Sample Tech Portfolios

A. What content do these portfolios include?

- What content do you think is useful to persuade the reader to employ or collaborate with you?

CONTENT

Who they are

What they can do

What they have done

What others think

How to contact them

CONTENT

Who they are

- e.g. Personal brand- tagline; Visuals- photos or avatars

What they can do

- e.g. Technical skills and soft skills - presented with icons and short descriptions or in a graph

What they have done

- e.g. Featured work/ Projects; articles in blogs and on press; Github accounts, LinkedIn accounts, downloadable resumes

What others think

- e.g. Testimonials, Press release, Awards, Recognitions

How to contact them

- e.g. Emails, Forms, LinkedIn, Twitter

CONTENT

Who they are

- e.g. Personal brand- tagline; Visuals- photos or avatars

CONTENT

Who they are

- e.g. Personal brand- tagline; Visuals- photos or avatars



[whoisjuan]

Juan J. Ramirez

UX Designer • Product Hacker

I'm a passionate UX Designer, Product Hacker and Human-Computer-Interaction Obsessive who loves to create ingenious software and daring interaction concepts.

Successful Front-end Development

Hi. I'm Ian, a freelance Front-end Developer with 12 years commercial experience creating successful websites.



I am a Front-end Developer with 12 years commercial experience, author of [CSS3 Foundations](#), and graduate of Internet Technology. I create successful websites that are fast, easy to use, and built with best practices.



Who's this guy?

I'm a Front-End Developer for [ChowNow](#) in Los Angeles, CA. I have serious passion for UI effects, animations and creating intuitive, dynamic user experiences. [Let's make something special.](#)

Who are you?

An original tagline

Describe what you can do.
What is your unique selling
point?

I create beautiful design,
that makes difference.



let's build something great.

As a designer and developer, I help companies around the world build amazing websites, apps and services that are simple, beautiful and easy to use.

Source: <https://blog.prototypr.io/10-steps-to-the-perfect-portfolio-website-182b1adcbfc8>

Activity 5

Tagline-writing starter kit:

- I am a [your professional identity, e.g., author, speaker, blogger, coach, etc.]
- I help [your target audience]
- do/understand [your unique solution]
- so that [your promised transformation]

“I am a web designer, blogger and mom. I teach creative female solopreneurs how to create a beautiful and professional online experience so that they can take their business to the next level.”

CONTENT

Who they are

- e.g. Personal brand- tagline; Visuals- photos or avatars

What they can do

- e.g. Technical skills and soft skills - presented with icons and short descriptions or in a graph

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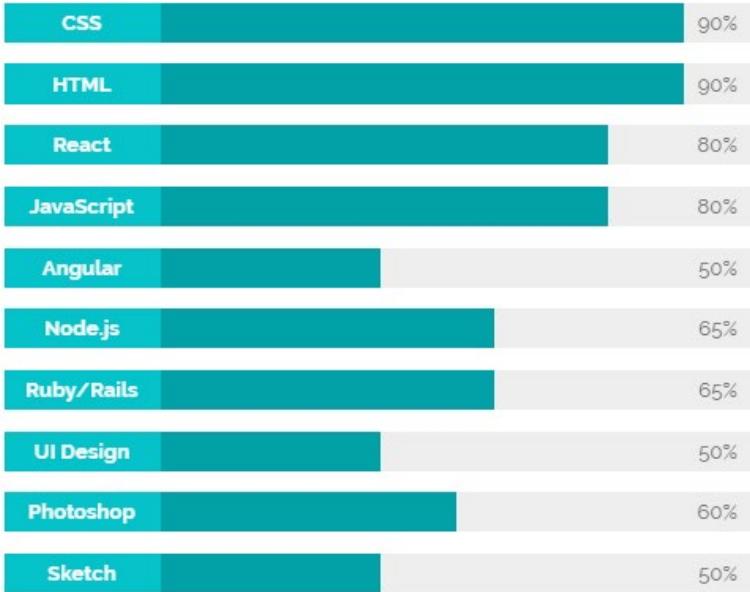
Front-end development
Responsive websites built for an optimal user experience that achieves your business goals.



Performance, SEO, & accessibility testing
Make your website fast, easy to find, and reach the widest audience possible.



WordPress websites
Manage your website using the web's most popular content management system.



ABOUT



Fast
Fast load times and lag free interaction, my highest priority.



Responsive
My layouts will work on any device, big or small.



Intuitive
Strong preference for easy to use, intuitive UX/UI.



Dynamic
Websites don't have to be static, I love making pages come to life.

CONTENT

Who they are

- e.g. Personal brand- tagline; Visuals- photos or avatars

What they can do

- e.g. Technical skills and soft skills - presented with icons and short descriptions or in a graph

What they have done

- e.g. Featured work/ Projects; articles in blogs and on press; Github accounts, LinkedIn accounts, downloadable resumes

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Who they are

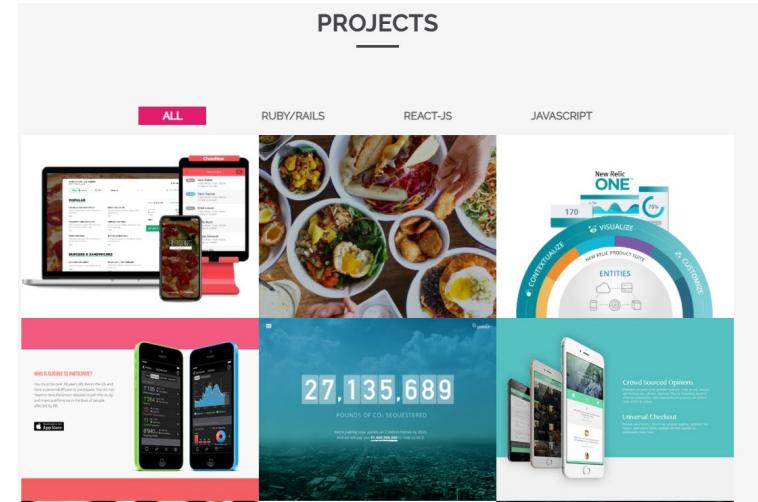
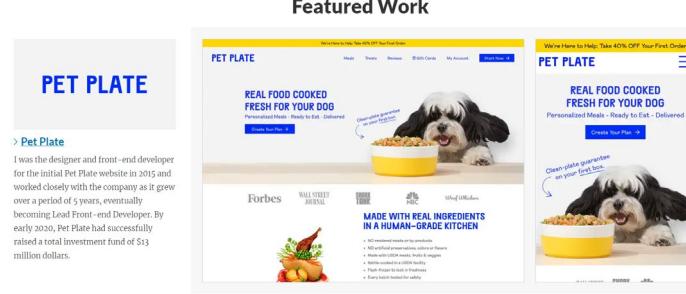
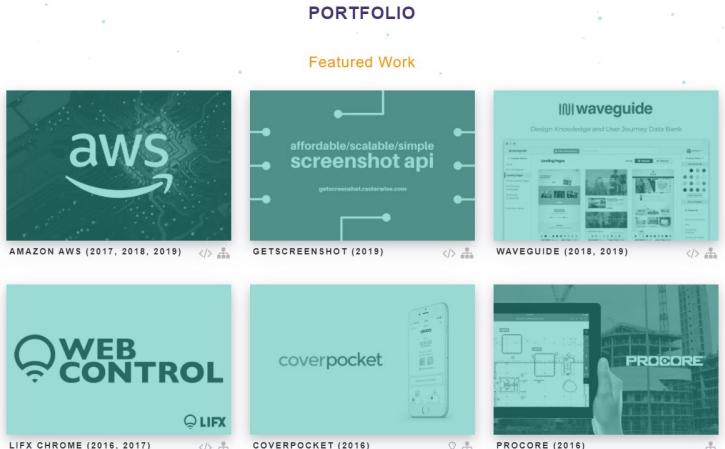
- e.g. Personal brand- tagline; Visuals- photos or avatars

What they can do

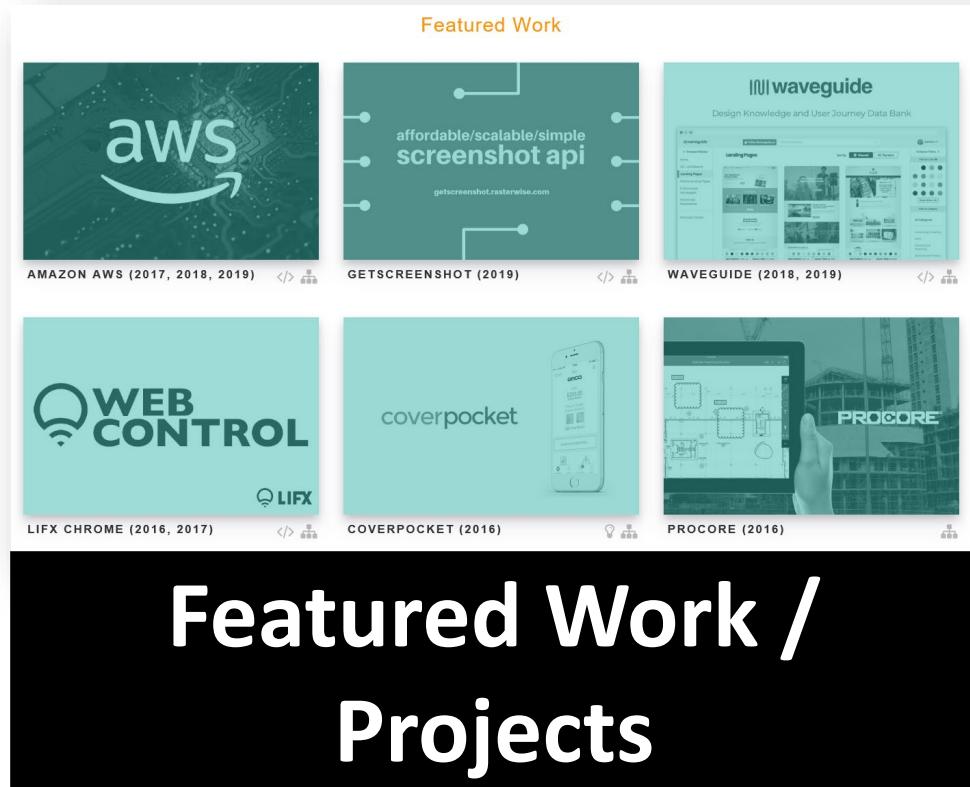
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Consider:



- Showcasing the very best samples of your work.
- Showcasing the type of work that you want to be hired for
- If you haven't got the right project to showcase a particular skill you want to highlight, consider making your own project.
 - E.g. you could develop a new version of a landing page or website for the company you're trying to impress.
- Be captivating yet professional
 - include videos, GIFs, and eye-catching web design.

Let's analyse some projects in detail:

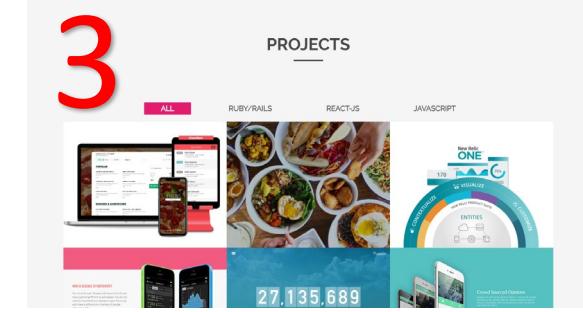
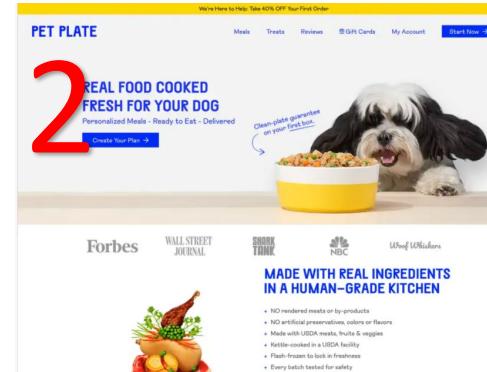
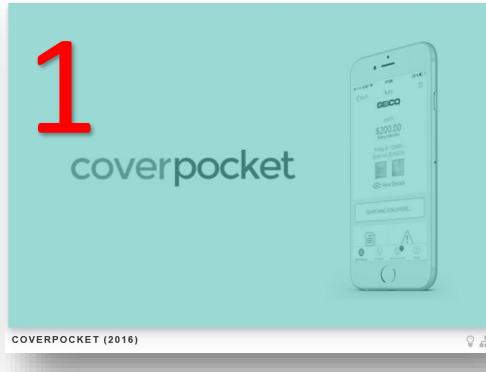
A. What content do these *projects* include?

- What content do you think is useful to persuade the reader to employ or collaborate with you?

B. How were the *projects* organised and delivered?

- What makes it appealing or unappealing to the reader?

Activity 6: Analyse these 3 sites.



<https://medium.com/whoisjuan-journal/coverpocket-ux-audit-12ff5811922d>

<https://ianlunn.co.uk/portfolio/pet-plate>

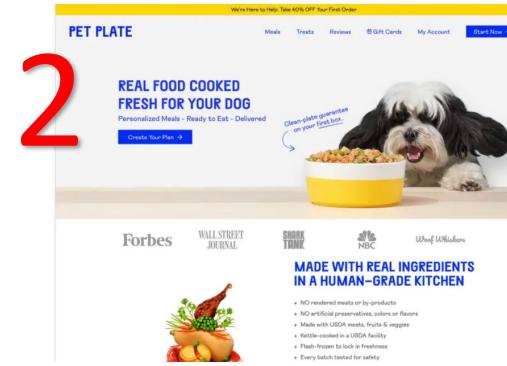
<http://findmatthew.com/> (Go to “Portfolio” and browse through the “Projects”)

Which one do you prefer? Why?

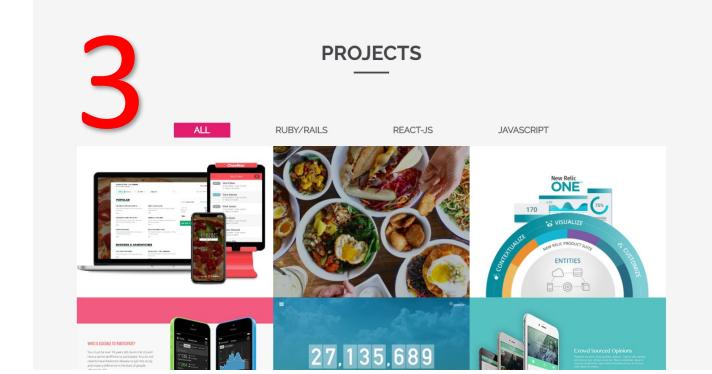
Activity 6:



1
coverpocket



2



3

Comment on the following:

- Content
- Organisation
- Delivery
- Your Preference

What can you include in a Project Portfolio?

1

Source:

[https://www.codementor.io/blog/Sof
tware-engineer-resume-2ouyh6n4f6](https://www.codementor.io/blog/Software-engineer-resume-2ouyh6n4f6)

Project name and 1-2 liner description

- Objective of the project
- Who it was for
- Date/Year
- Your contribution/role
- Relevant screenshots/URLs/code samples
- Links to web pages or installers for desktop applications

Additional info:

1. Tech stack used
2. How you built the application
3. How to run the application
4. How to test the application
5. Software tools used
6. Tangible results
7. Screenshots or animated GIFs showing user flows (if customer facing)
8. Links to code/ Github

Find out more!

- **Creating Your Portfolio**

<https://engineering.dartmouth.edu/careers/students/creating-your-portfolio/>

- **A GUIDE TO DEVELOPING YOUR PROGRAMMING PORTFOLIO**

<https://www.thesoftwareguild.com/blog/programming-portfolio/>

- **How to Build an Impressive Portfolio Site**

<https://skillcrush.com/blog/impressive-tech-portfolio/>

Online Portfolios

https://www.e-education.psu.edu/styleforstudents/c7_p5.html



What's next?

Week 2 Session 1	17-18 Jan	Understanding Tech Portfolios		
Week 2 Session 2	20-21 Jan	Strategic Presentations Briefing for CA2 (20%): OP1		
Week 3 Session 1	24-25 Jan	Team development and Productive Meetings Briefing for CA1 (10%): Team meeting		Writing an Agenda
Week 3 Session 2	27-28 Jan	CA1 Team Meeting 15 mins/team	Team meeting 10%	
Week 4 Session 1	31 Jan – 1 Feb	No Classes Public Holiday: Lunar New Year		

What's next?

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Form
OP1
Groups

Let's form Project Groups now:

CS2103T/CS2113T Project Team Formation

Form ONLY 4 teams in total.

4-5 pax per team.

No 3-pax teams, if possible.

Conditions:

1. Form INTERNATIONAL teams (mixed nationalities).
2. If there are not enough international students, multi-ethnic teams are acceptable.

Team composition

- We allow some freedom in choosing team members, subject to these constraints:
 - **All team members should be in the same tutorial.** Delay forming teams until your place in a tutorial is confirmed. We do not allow changing tutorials to team up with your preferred team mates.
 - **Teams of single nationality are not allowed** unless the only language common among all team members is English. e.g. an all-Singaporean team that include both Chinese and Malay students. Rationale: to train you to work in multicultural teams, to ensure that English is used for all project communication
 - **No more than one exchange students per team** Rationale: to increase interaction between exchange students and NUS students.
 - **Same gender teams are discouraged but allowed.** Rationale: to train you for mixed-gender work environments.
- **We may modify teams** when circumstances call for it. There is no avenue for you to object. Staying with your preferred team is not guaranteed.

<https://nus-cs2113-ay2122s1.github.io/website/admin/tp-teams.html>

<https://nus-cs2103-ay2122s1.github.io/website/admin/tp-teams.html>