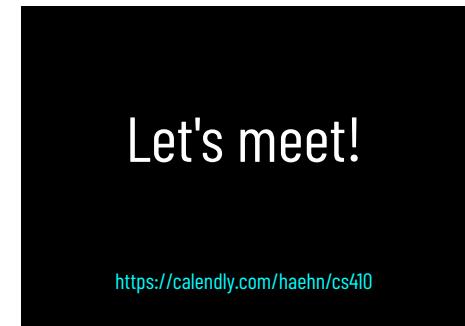
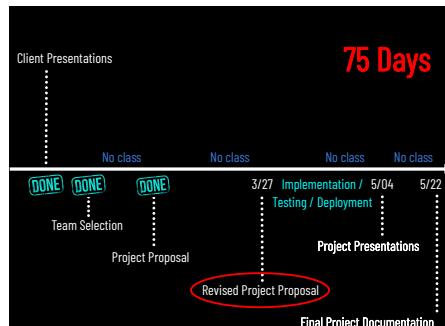




 Mike Chabot
Wednesday 3/1


Frontend, Backend, DevOps



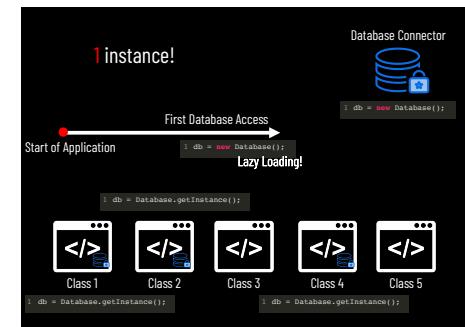
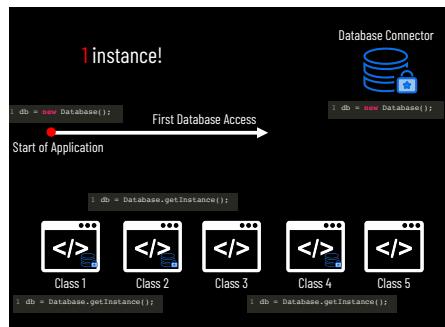
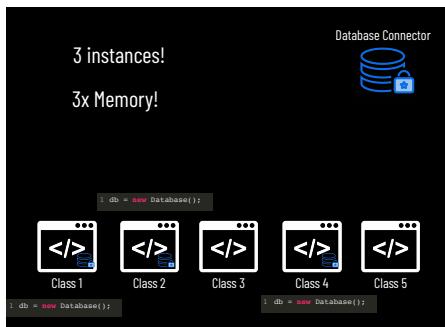
Singleton Pattern

```
Circle c1 = Circle.create();
Circle c2 = Circle.create();

System.out.println(c1);
System.out.println(c2);

// Both print the same address
// <_main___.Circle@0x111154be0>
```

Restricts to only one instance of a class!
But why?!



Lazy loading is a programming practice in which a component is loaded only at the time of need



<https://github.com/ipoorySaxena/lozad.js/wiki/What-is-lazy-loading%3F>

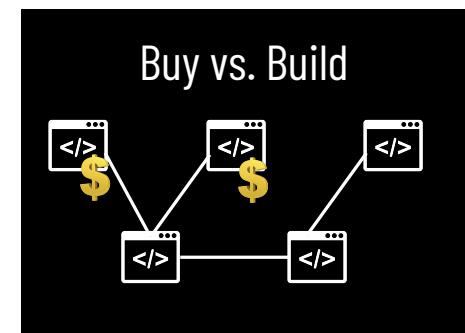


Lazy Loading!

```
class Circle {
    private static final Circle INSTANCE = null;
    public static Circle getInstance() {
        if (INSTANCE == null) {
            INSTANCE = new Circle();
        }
        return INSTANCE;
    }
}

public final class Circle {
    private static final Circle INSTANCE = null;
    public static Circle getInstance() {
        if (INSTANCE == null) {
            INSTANCE = new Circle();
        }
        return INSTANCE;
    }
}
```

runs at Application Start
runs on demand



Buy vs. Build



They just sell this component over 20 times.

\$1000 \$1000 \$10.000

\$10.000 \$10.000

\$10.000 \$10.000

\$ Migration and Support Team!

Buy vs. Build

CAPTAIN OBVIOUS

No Code Access!
Who fixes bugs?
And, how fast?

What about interfaces between our code and the bought component?

\$ Migration and Support Team!

10X Engineer

Myth or Reality

Super Coder





Expand Your Coding Knowledge

Think Big Picture

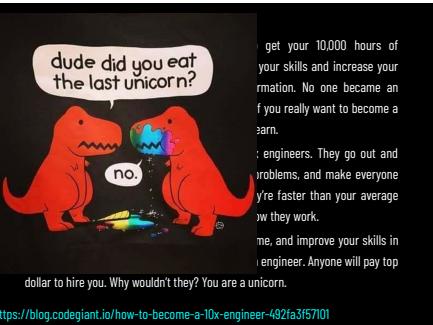
Know As Many Tools As Possible

Build and Break Stuff

Improve Your Communication Skills

Understand All Solutions Are Not Equal

<https://blog.codegiant.io/how-to-become-a-10x-engineer-492fa3f57f01>



Noun Identification

Technique to define classes and objects

Identify Nouns in Text

Prof. Kenneth Fletcher

Noun Identification

A system generates weather maps using data collected from unattended weather stations. Each weather station collects meteorological data and produces summaries of the data. On request, it sends the summary information to an area computer. The area computer uses a database of digitized maps to generate a set of local weather maps.

Prof. Kenneth Fletcher

Noun Identification

A **system** generates **weather maps** using **data** collected from unattended **weather stations**. Each weather station collects **meteorological data** and produces **summaries of the data**. On request, it sends the summary information to an area computer. The **area computer** uses a **database** of **digitized maps** to generate a **set of local weather maps**.

Prof. Kenneth Fletcher

What is a 1x Engineer?
You might have already heard of a 10x engineer. Probably too often, actually. If there's such a thing as a 10x engineer, surely there must be a 1x engineer, too?
Of course there **is!** Let's dig into a non-exhaustive list of qualities that might make up a 1x engineer:
1x Engineer . . .

- Searches Google, DuckDuckGo, Bing, or where ever they like when they're not sure what's up.
- Copy/pastes code snippets from Stack Overflow, Glitch, Codepen, or wherever they find answers.
- Gives credit where credit is due.
- Creates comic strips and spreads knowledge.
- Spends time on things outside of engineering, like hobbies, friends, and family.
- Has a schedule that allows them to maintain a healthy work-life balance, and respects others' time boundaries.
- Isn't measured by arbitrary contribution scores on any website, and doesn't judge others for theirs either.
- Writes code that **Kendashi** *gasp* **Kendashi** has bugs.
- Writes code that others can read.
- Reads the Docs.
- Updates the Docs.

<https://1x.engineer/>



RateMyTalk.com/RMHN2