

# StudyBuddy

jhuOOSers

Vinicius Lepca, Brandon Fremin, Justin Sech, Sara Weill, Ire Shobayo, Michael Moore

Why?



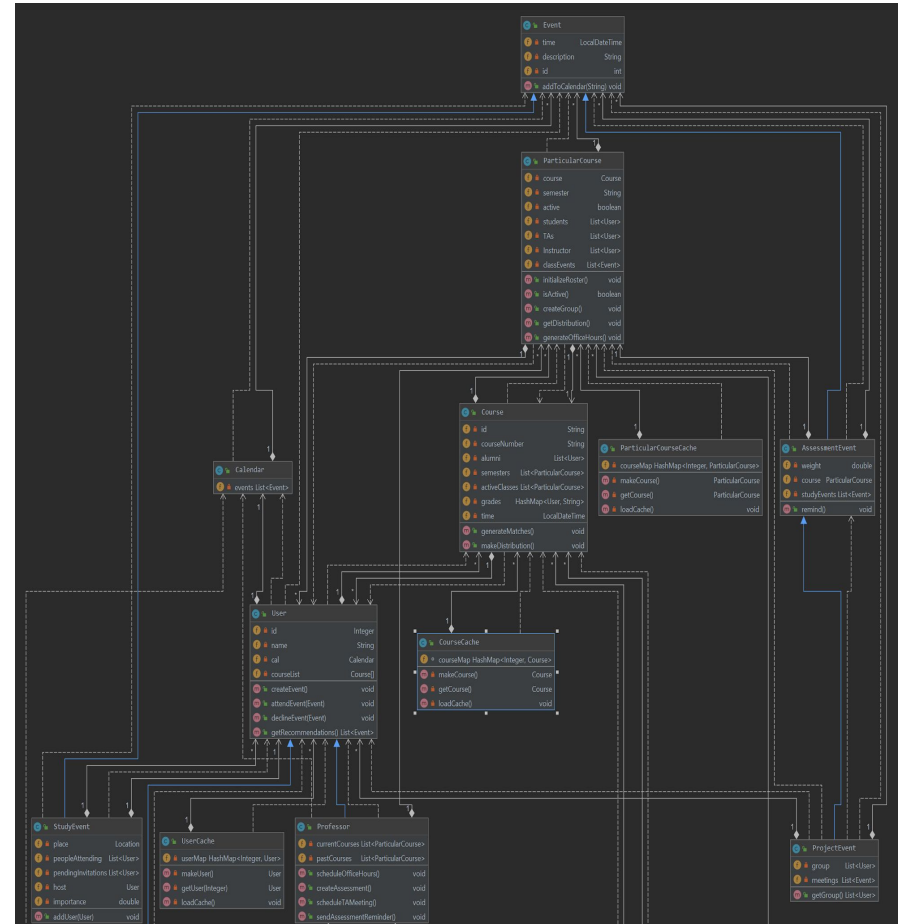
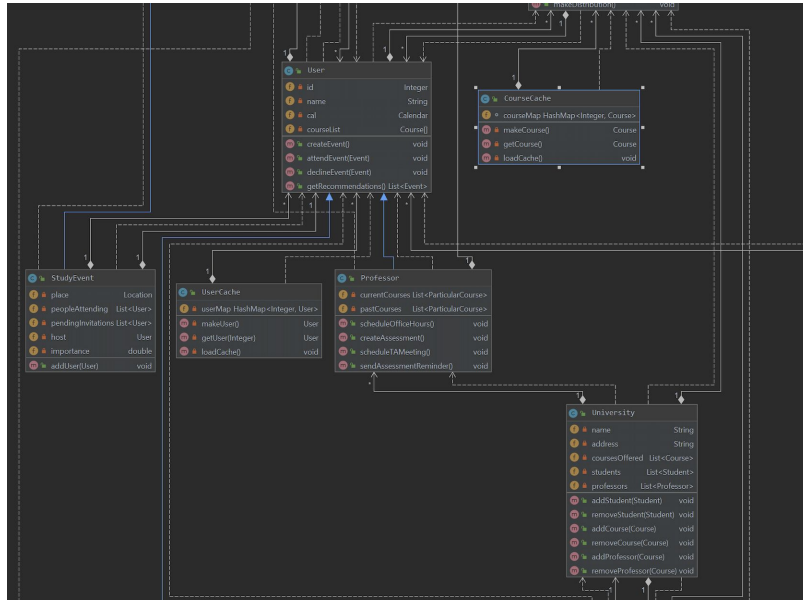
# What?



# Demo!

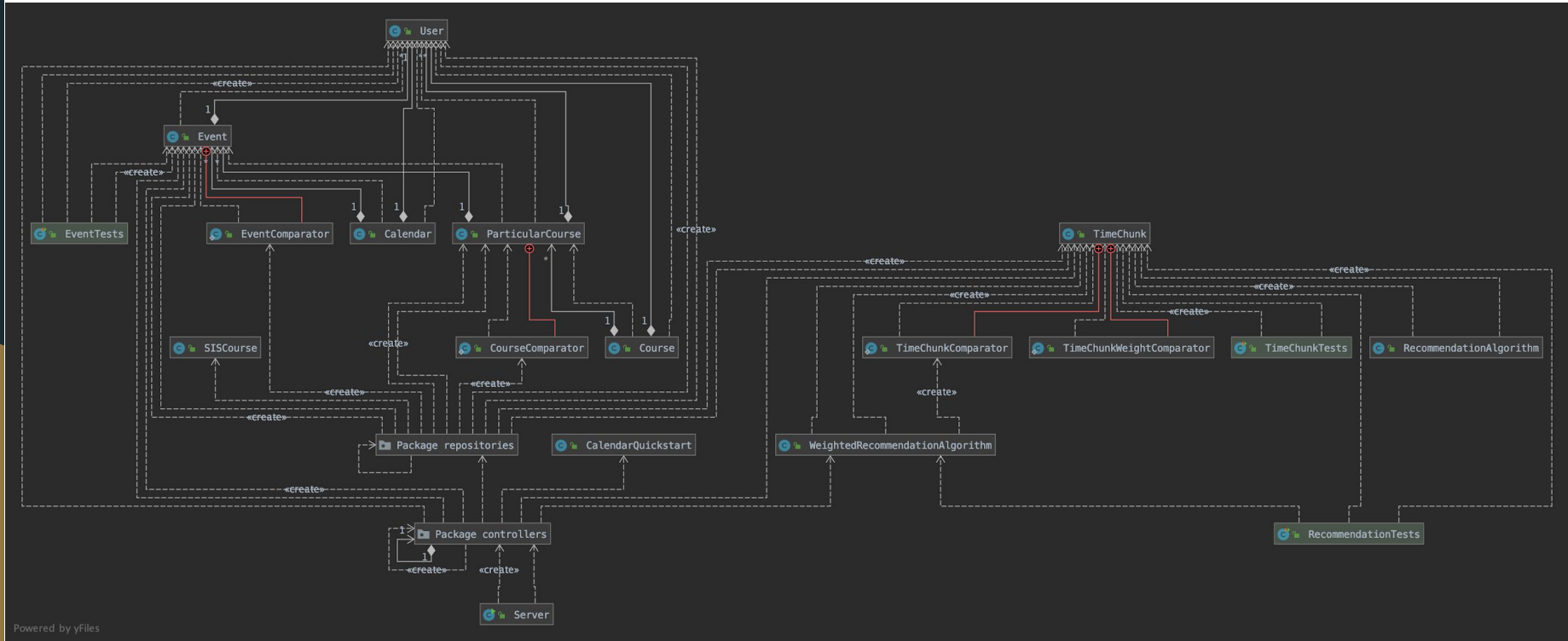


# Old Class Diagram

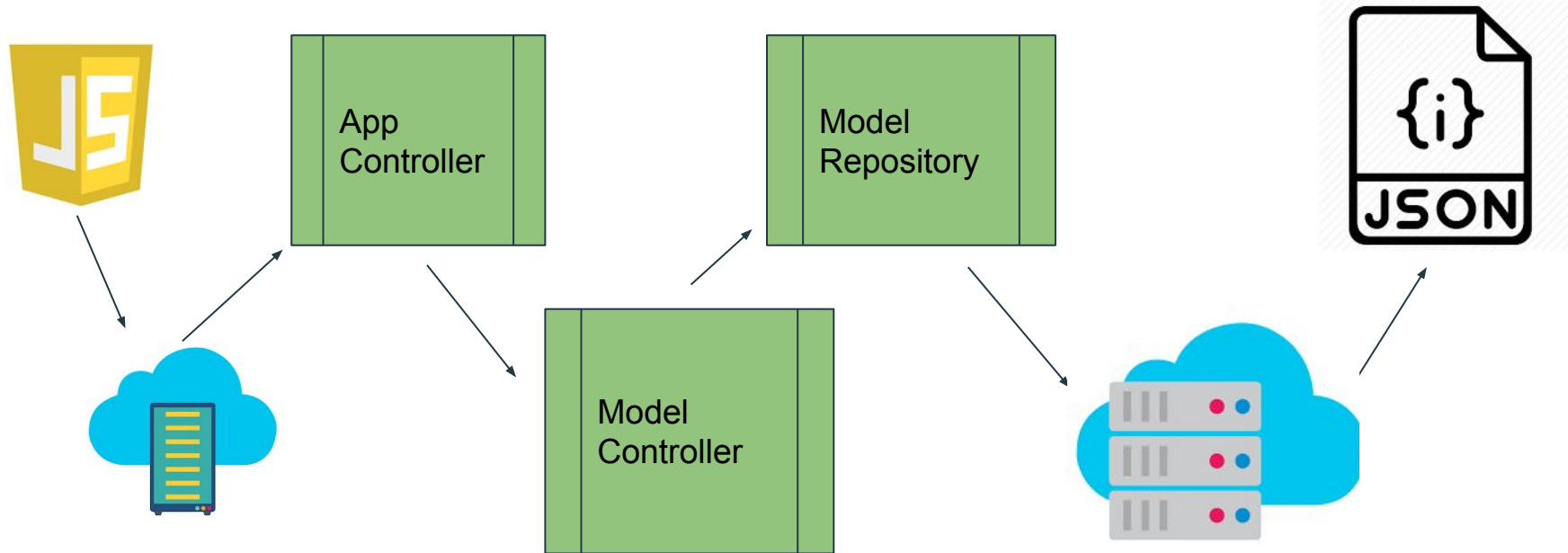




# New Class Diagram



# Information Flow (MVC)

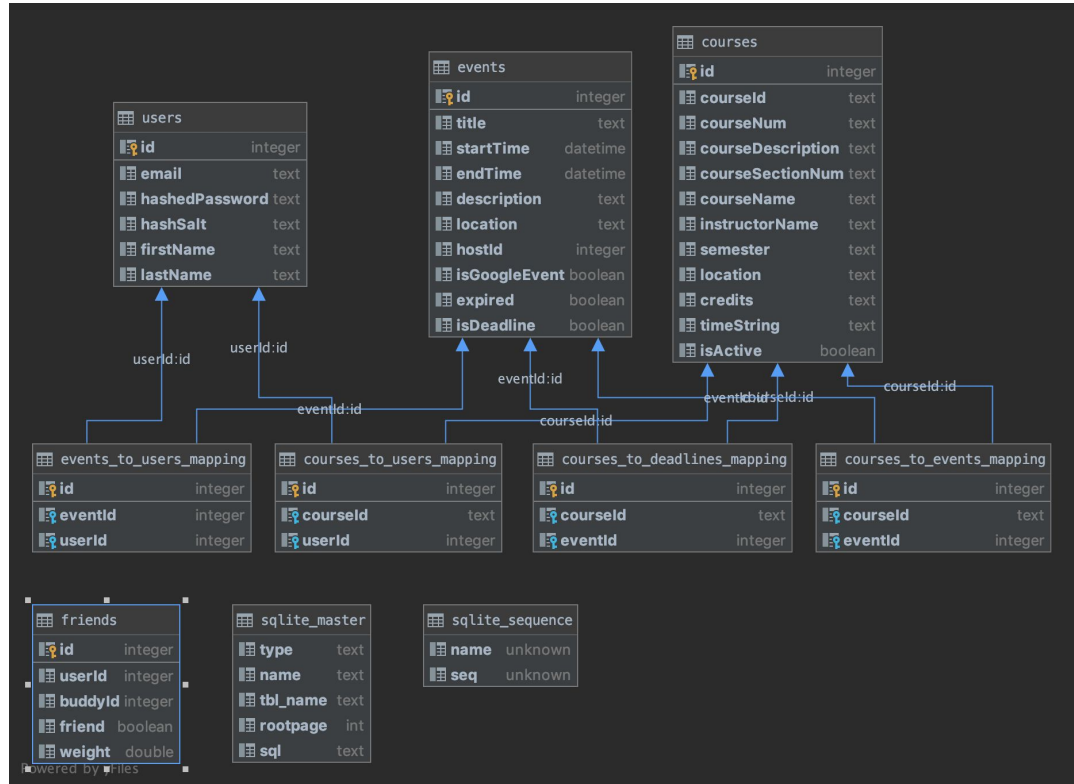


# Javascript Information Flow

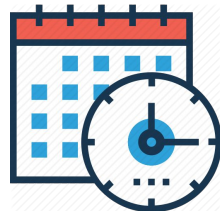




# Database Storage

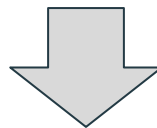


# Algorithm Fundamentals



Numberphile

# 42

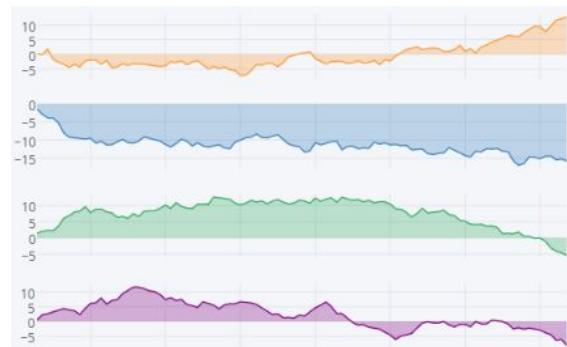


< November 2012 >						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Legend:   
 Slot (Green)   
 Partly booked (Yellow)   
 Fully booked (Red)   
 Today (Orange)   
 Day off (Purple)

# Algorithm Transformation

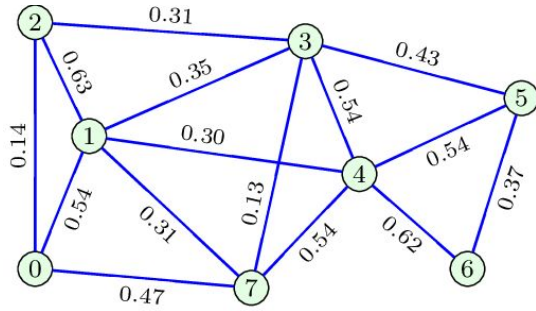
Time Log							
	Day 1	Day 2	Day 3	Day 4	Day 5	Name	
Time	Day	Day	Day	Day	Day	Day	Day
Date	Date	Date	Date	Date	Date	Date	Date
6-7 a.m.							
7-8 a.m.							
8-9 a.m.							
9-10 a.m.							
10-11 a.m.							
11-noon							
Noon-1 p.m.							
1-2 p.m.							
2-3 p.m.							
3-4 p.m.							
4-5 p.m.							
5-6 p.m.							
6-7 p.m.							
7-8 p.m.							
8-9 p.m.							
9-10 p.m.							
10-11 p.m.							
11-midnight							



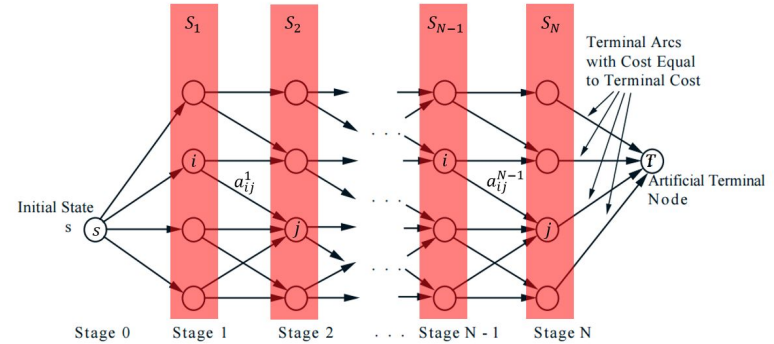
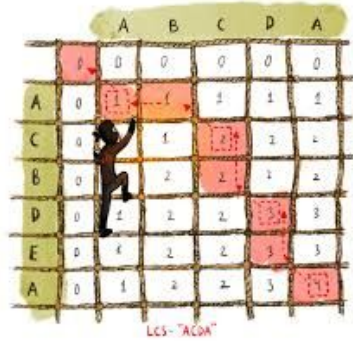
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■ Slot   
 ■ Partly booked   
 ■ Fully booked   
 ■ Today   
 ■ Day off

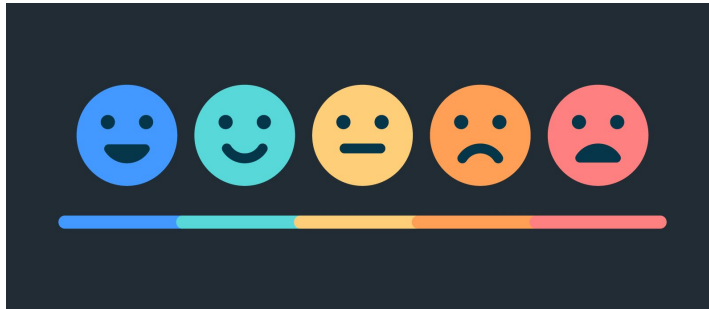
# Graph Weighting



# Dynamic Programming Component



# Solution and Feedback



# Code Review



```
if (NotificationClient != null)
{
    NotificationClient = new bl.desktop.NotificationClient() {
        //NotificationClient.Insert();
    }
}
else
{
    NotificationClient.LastRequest = DateTime.Now;
    NotificationClient.RequestCount = NotificationClient.RequestCount + 1;
    //NotificationClient.Update();
}

if (NotificationClient.Deny == false)
{
    NotificationRequest NotificationRequest = new bl.desktop.NotificationRequest() {
        NotificationRequest.ClientId = NotificationClient.ClientId;
        NotificationRequest.Request.UserId = NotificationClient.Request.UserId;
    }
}
```



Learned



JUnit 

The JUnit logo, consisting of the word "JUnit" in a gray, sans-serif font, followed by a circular icon. The icon is split vertically, with a red left half and a green right half, and contains a white number "5".

Materialize

A modern responsive  
front-end framework based on Material Design