



VSB_Plus

Scrum #2

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Project deats

What are we doing

- An upgraded version of the Visual Schedule Builder to help user (students) to organize and build up the course schedule table wisely.

Gaps we are filling:

1. Interactive course schedule builder
2. Course advising system
3. Course detail visualization

Innovation to the world

- A web application that allow to build the desired course schedule with better time planning.



Project & documentation review

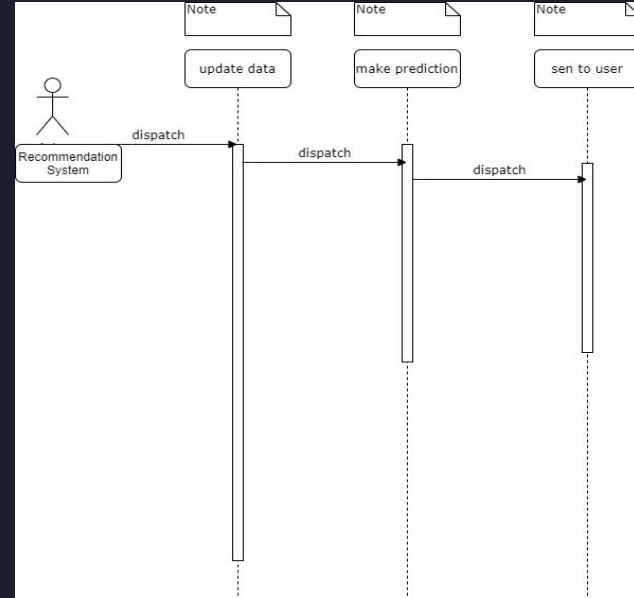
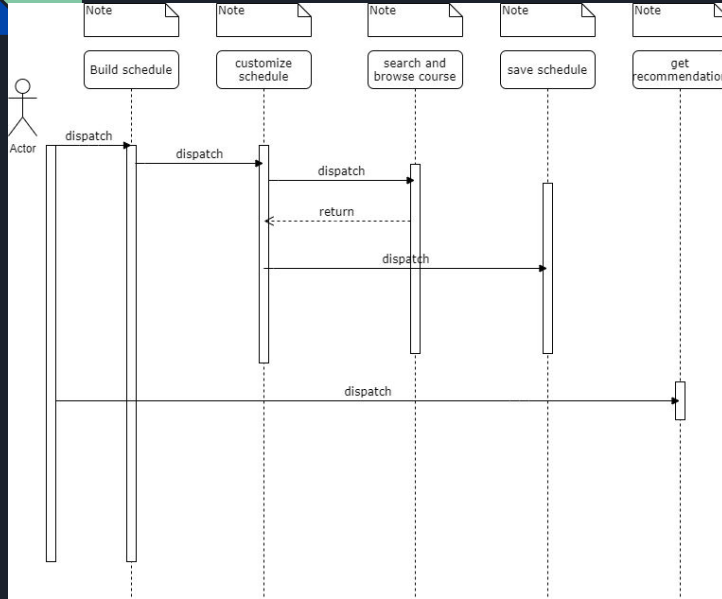
What we have done:

1. Construct a Hi-Fi prototype
2. UML diagrams for the web architecture
3. Look up the server and set it up.

Demonstration:

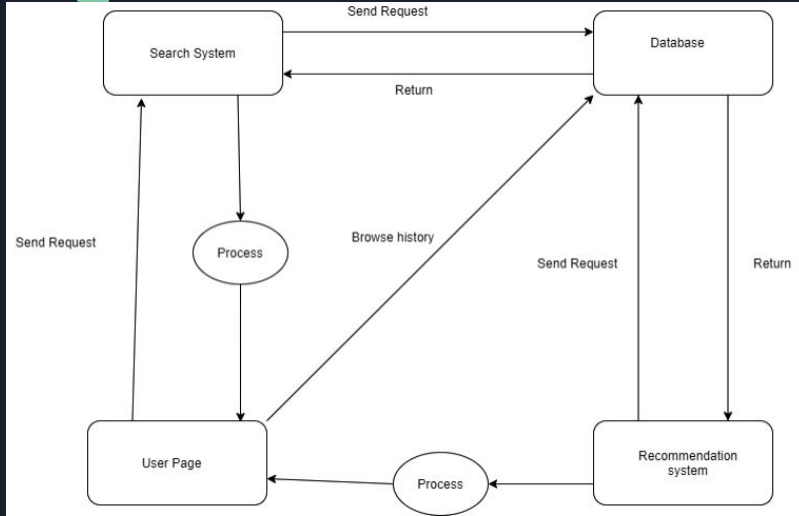
1. UML Diagrams
2. Hi-Fi prototype

Diagrams



Sequence diagram

Diagrams

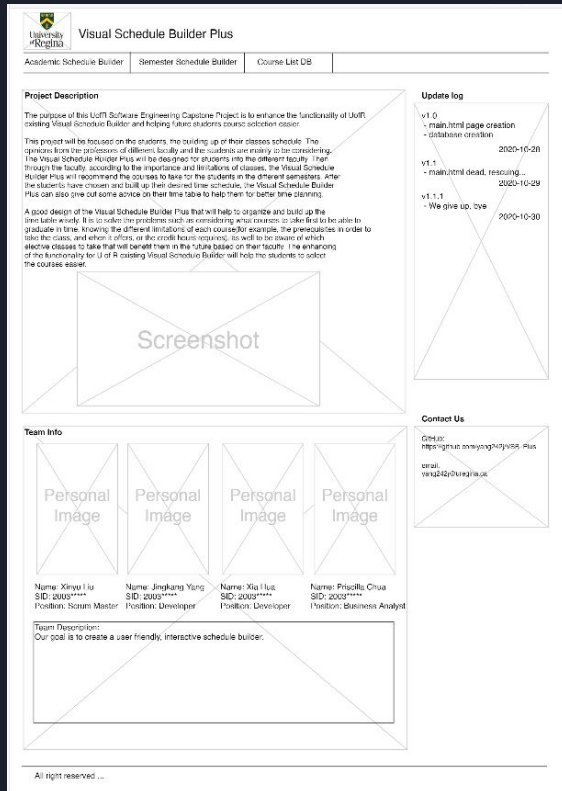


Data flow

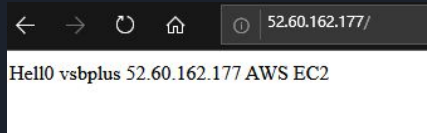


Sequence diagram

Prototypes (Hi-fidelity)



AWS (Amazon Web Service)



The screenshot shows the AWS Management Console interface. On the left is a navigation menu with categories like EC2 Dashboard, Events, Tags, Limits, Instances, Images, Elastic Block Store, Network & Security, and Load Balancing. The main content area displays the 'Instance summary for i-096b00a12bdc4868a (vsbplus)'. Below this is a section for 'AWS Compute Optimizer' and a tabbed interface for 'Instance details'. The 'Instance details' tab shows information about the platform (Amazon Linux), platform details (Linux/UNIX), launch time, AMI ID, AMI name, AMI location, monitoring status, and termination protection.

Instance summary for i-096b00a12bdc4868a (vsbplus)

Instance ID	Public IPv4 address	Private IPv4 addresses
i-096b00a12bdc4868a (vsbplus)	52.60.162.177 (vsbplus) open address	172.31.16.92

Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-52-60-162-177.ca-central-1.compute.amazonaws.com open address	ip-172-31-16-92-ca-central-1.compute.internal

Instance type	Elastic IP addresses	VPC ID
t2.micro	52.60.162.177 (vsbplus) [Public IP]	vpc-f1d0f599

IAM Role	Subnet ID
-	subnet-d50c46bd

AWS Compute Optimizer
Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Instance details

Platform	AMI ID	Monitoring
Amazon Linux (Inferred)	ami-0c2f25c1f66a1ff4d	disabled

Platform details	AMI name	Termination protection
Linux/UNIX	amzn2-ami-hvm-2.0.20200917.0-x86_64-gp2	Disabled

Launch time	AMI location	Lifecycle
Fri Oct 30 2020 22:27:40 GMT-0600 (加拿大中部标准时间) (2 days)	amazon/amzn2-ami-hvm-2.0.20200917.0-x86_64-gp2	normal



Next Step

1. Course Data - Try to talk to someone in IT service
2. Organize documents in the github
3. Finishing AWS server setup
4. Begin to code some basic elements for web
5. Build LAMP, a time-tested stack of Linux, Apache, MySQL, and PHP together, then spilt the work.



Group reflection

Do you feel you are on track?

- Yes, because prototype, document and diagrams are all in progress.
- Almost finished documentation.

Do you feel there are barriers to your success (if any)?

- Currently, some problems with server setup, DNS.

Do you need any help going forward?

- Need server setup troubleshooting from Dr.Gelowitz.
- Need courses data and urcourse JSON files provided by IT support



Reference

- VSB_Plus Github Repository
- AWS EC2 services