



**SCHOOL
CONNECT**
Application



C A P S T O N E 1

School Connect Application

Group: C1SE.44 12-2021



C A P S T O N E 1

Introduction to Mentor



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Members of team

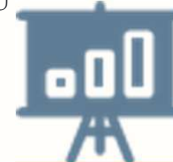
Major: Management Information System



NGUYEN THANH PHU
Scrum Master



NGUYEN TRUNG HIEU
Product owner, Dev Team



DANG NGUYEN BAO HOAI
Product owner, Dev Team

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INTRODUCTIONS



In the context of the complicated COVID-19 pandemic, communication and information exchange between students and schools is very difficult.



There are many social networking applications for people to exchange information, but it is easy to leak information and manage students and announcements with many difficulties.

BUSSINESS NEED

- Private and security from the outside.
- Notification about events or policies for students and teachers.
- Easy students and teachers can contact together.
- Manager in information student and teacher
- Manager all forums in the system
- Control posting, commenting, and chat.
- Students and teachers can report a comment or messages toxic



SOLUTION

- Provide a web-based School Connect Application for the whole school that allows students and teachers in that school to chat with each other
- Can post articles or events, topics about the school, is a place to exchange and answer questions between students who have been and are studying at the school.





Role in System

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Admin

User management and control of all website content

Censor

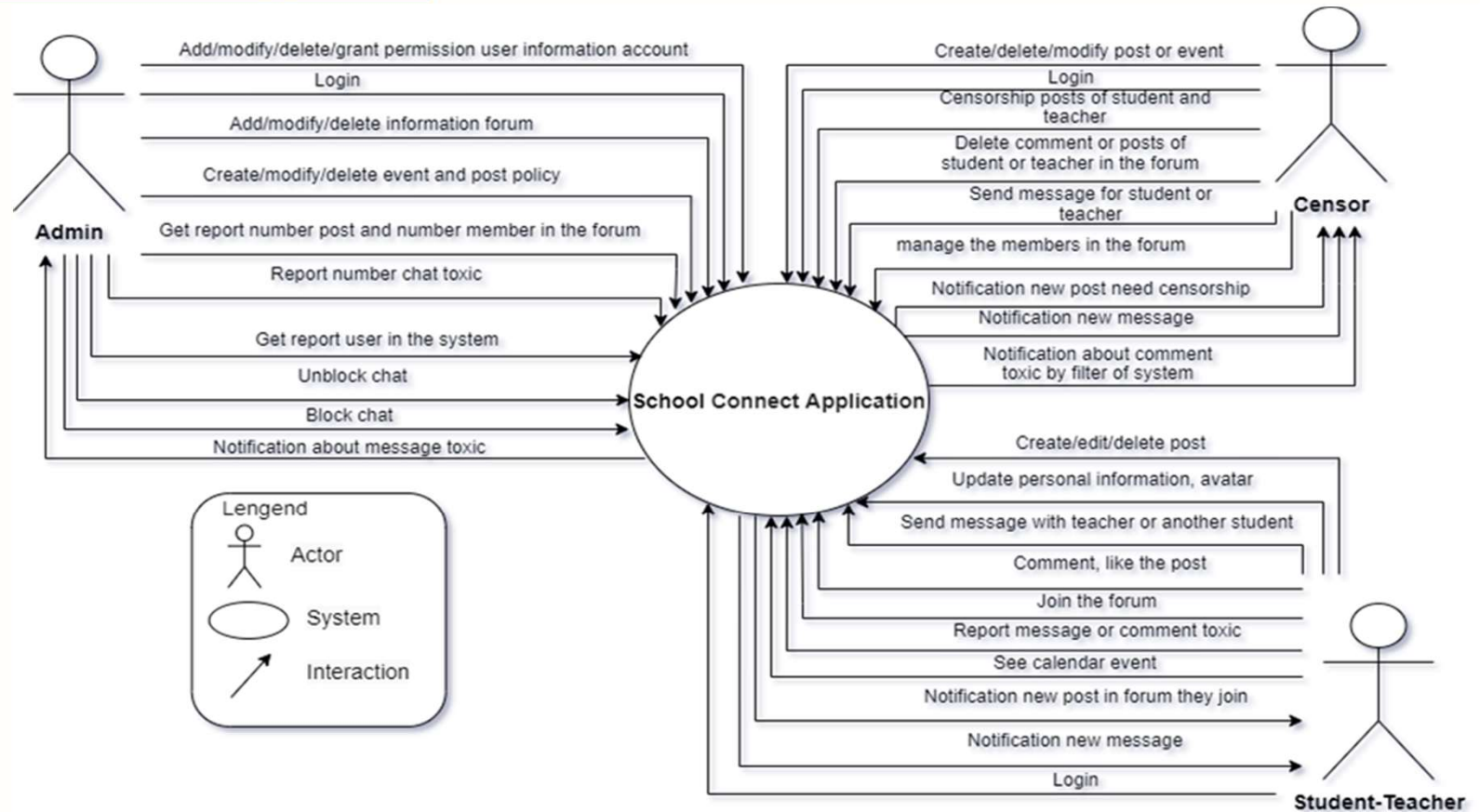
Control posts and members and delete malicious posts and comments

Teacher, Student

See and interact with people about school issues, join forums that interest them

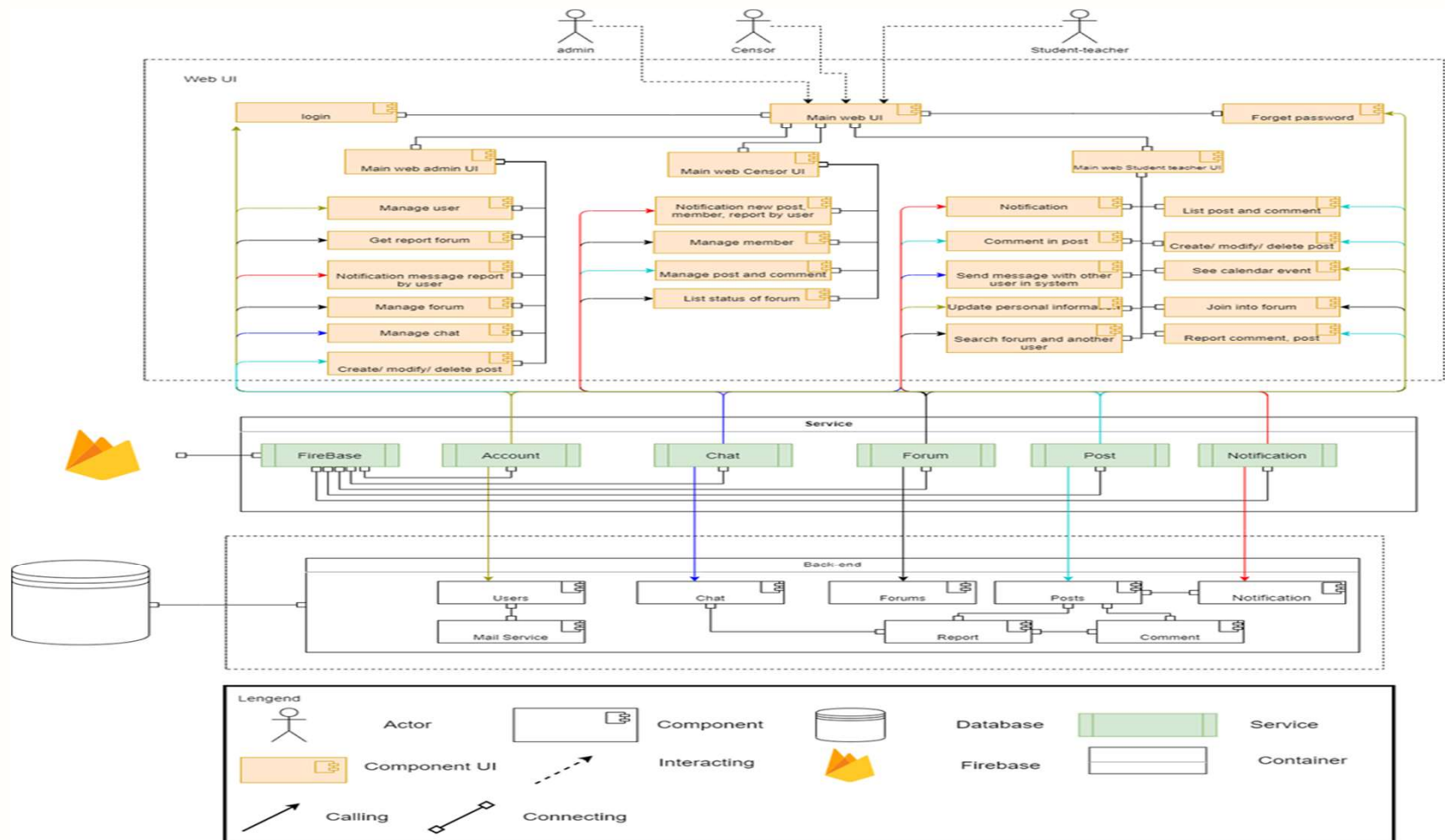
Architecture Project

System Context Diagram

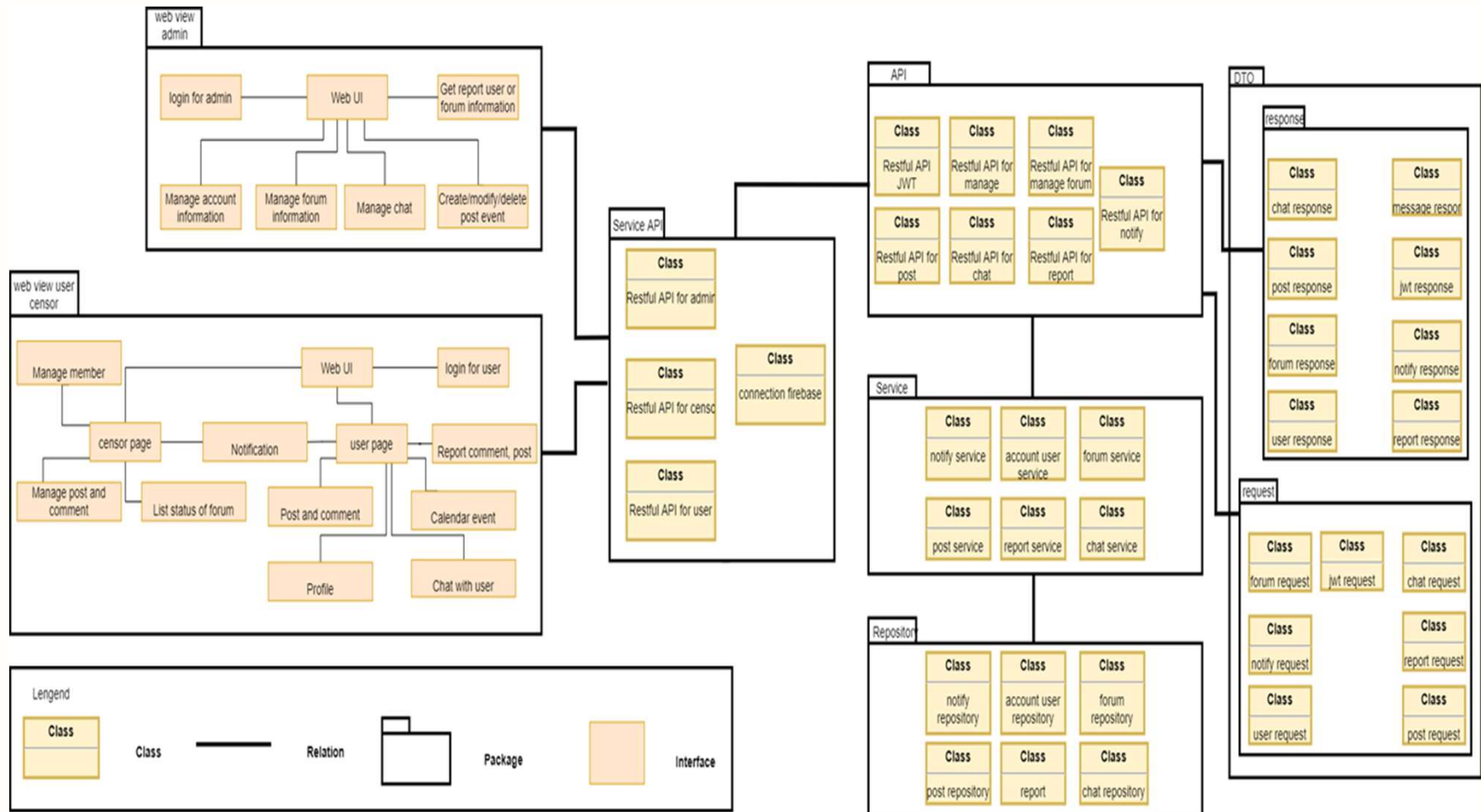


Component & connection

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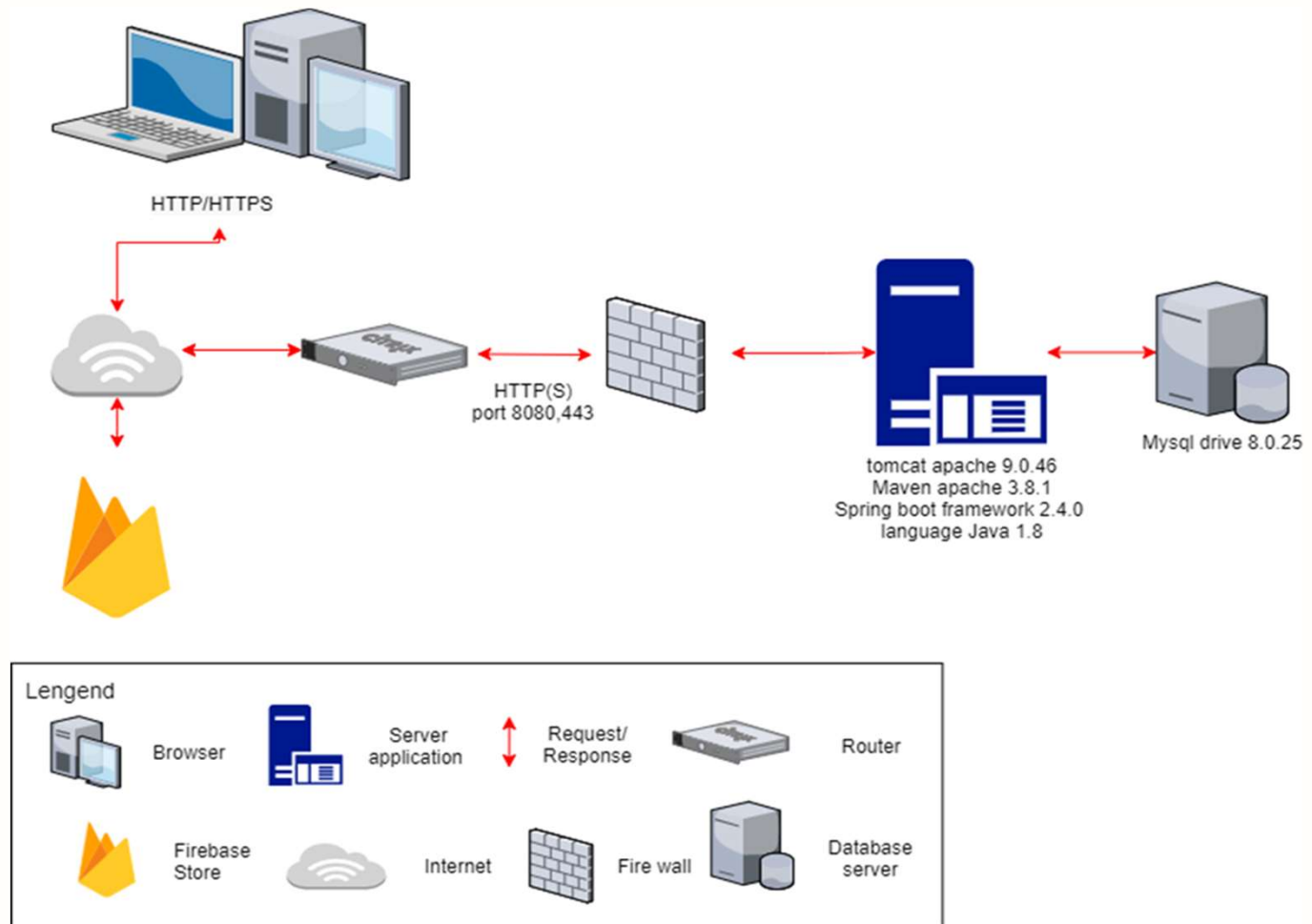


Module view

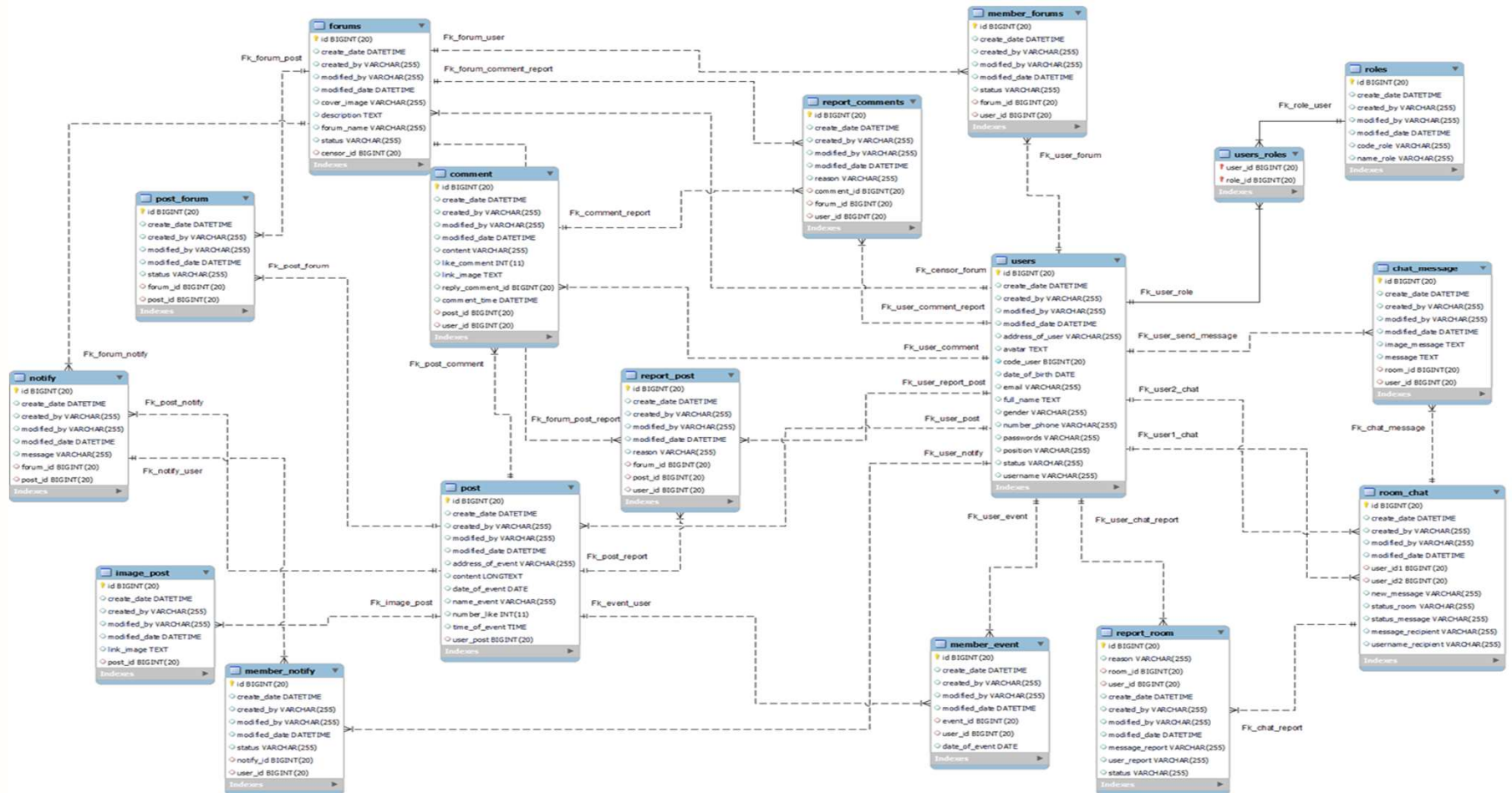


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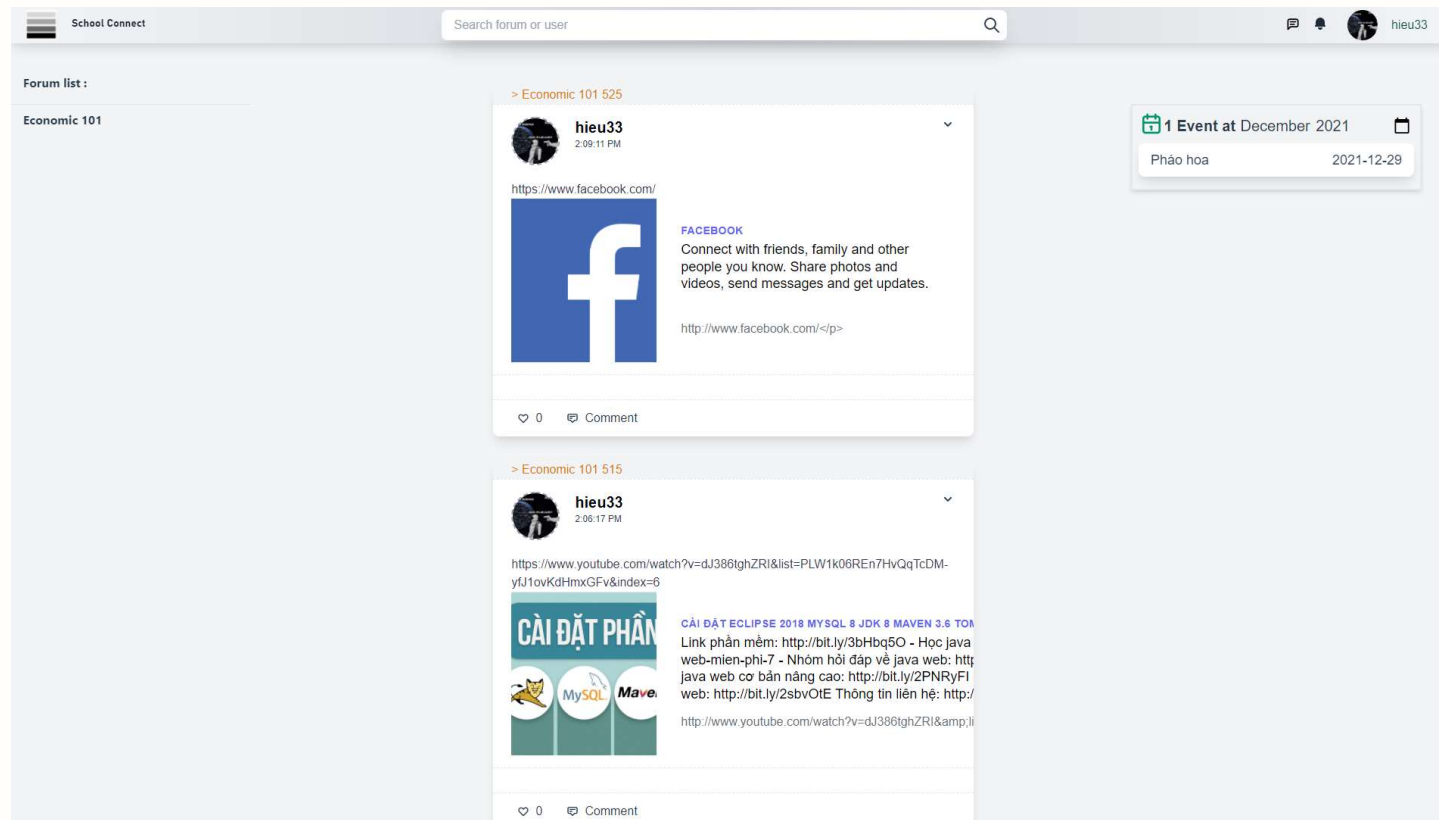
Allocation view



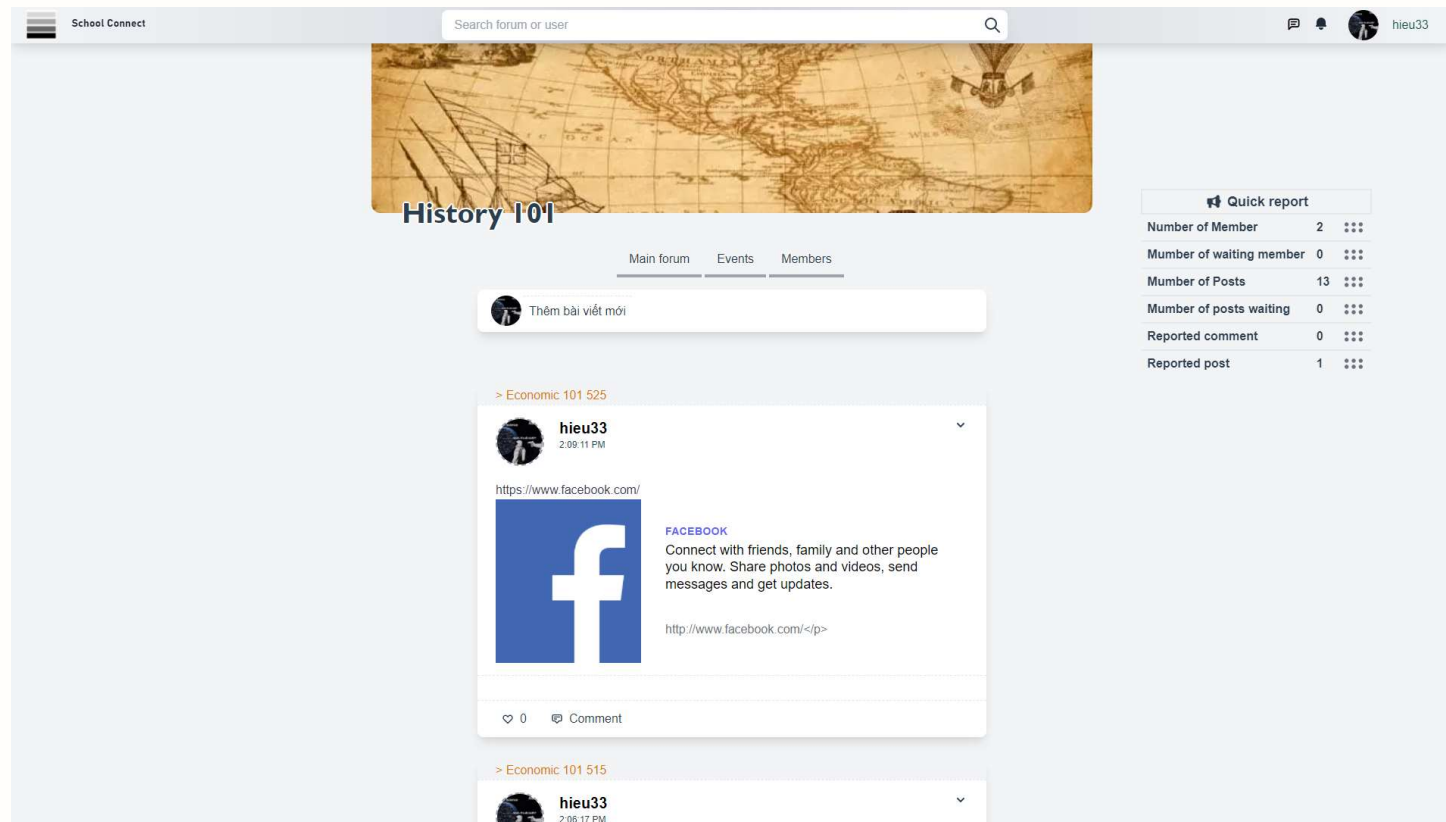
Relationship Database



UI for Homepage User



UI for Forum User



UI for Forum Management Admin



UI for Account Management Admin

School Connect

hoai

- Dashboard
- Account Management
- Notifications
- Forums Management
- Event / Policy
- Report and blocking

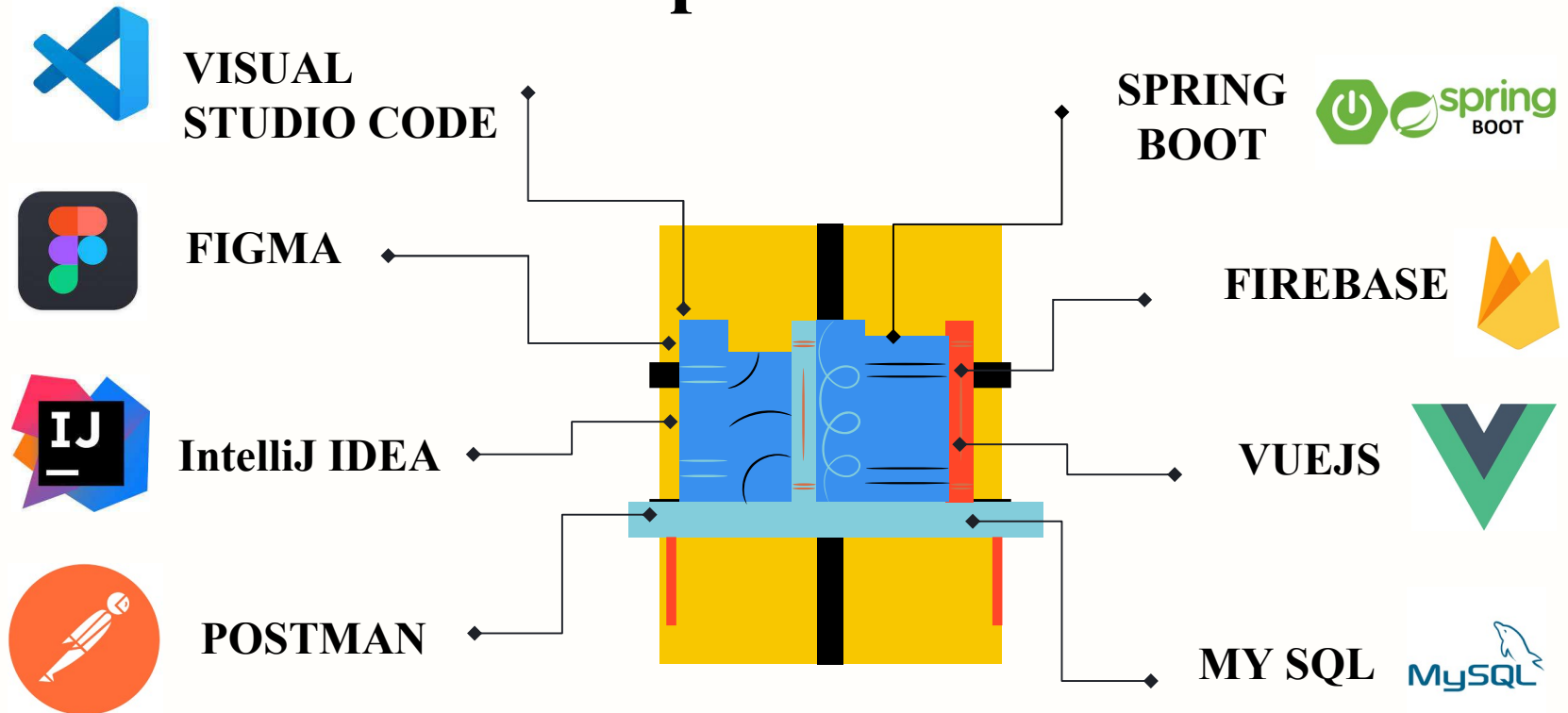
+ new account
Import from Excel
Export to Excel

Account Management

ID	Name	Code	Gender	Email	Address	Numer	Position	Action
235	Bradney Dommatt usn:bdommatt7	235	nam	bdommet7@hao123.com	729 Jay Plaza	6314467293	student	
225	Joan Cubley usn:jocubley6	225	nam	jcubley6@hp.com	9708 Saint Paul Pass	3291467586	student	
215	Twila Bruntje usn:tbruntje5	215	nam	tbruntje5@netvibes.com	694 Hoard Pass	4911832006	teacher	
205	Arabelle Culpan usn:aculpan4	205	nu	aculpan4@usnews.com	689 Johnson Avenue	3616395050	student	
195	Natty Desseine usn:ndesseine3	195	nam	ndesseine3@umn.edu	217 Randy Avenue	3005375646	student	

First
Previous
1
2
3
4
Next
Last

Develop IDE Tools



Management tools

 **Jira** Jira for management work

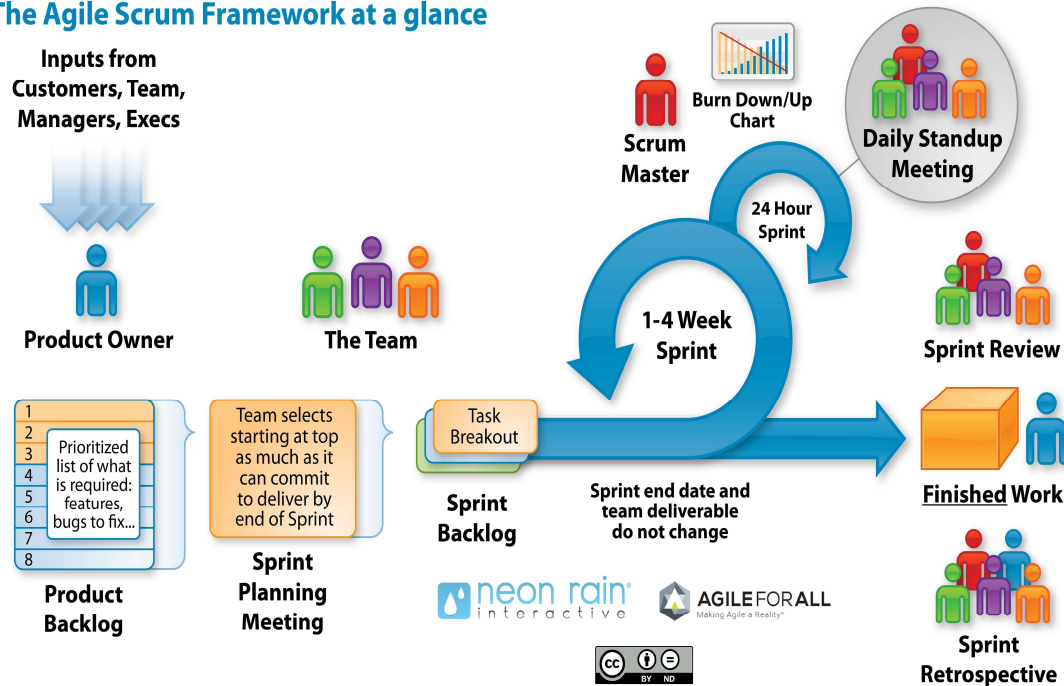
 **slack** Slack for exchanging information about work

 Google meet for management meeting

 Github for management source code

Process Model: Scrum Process

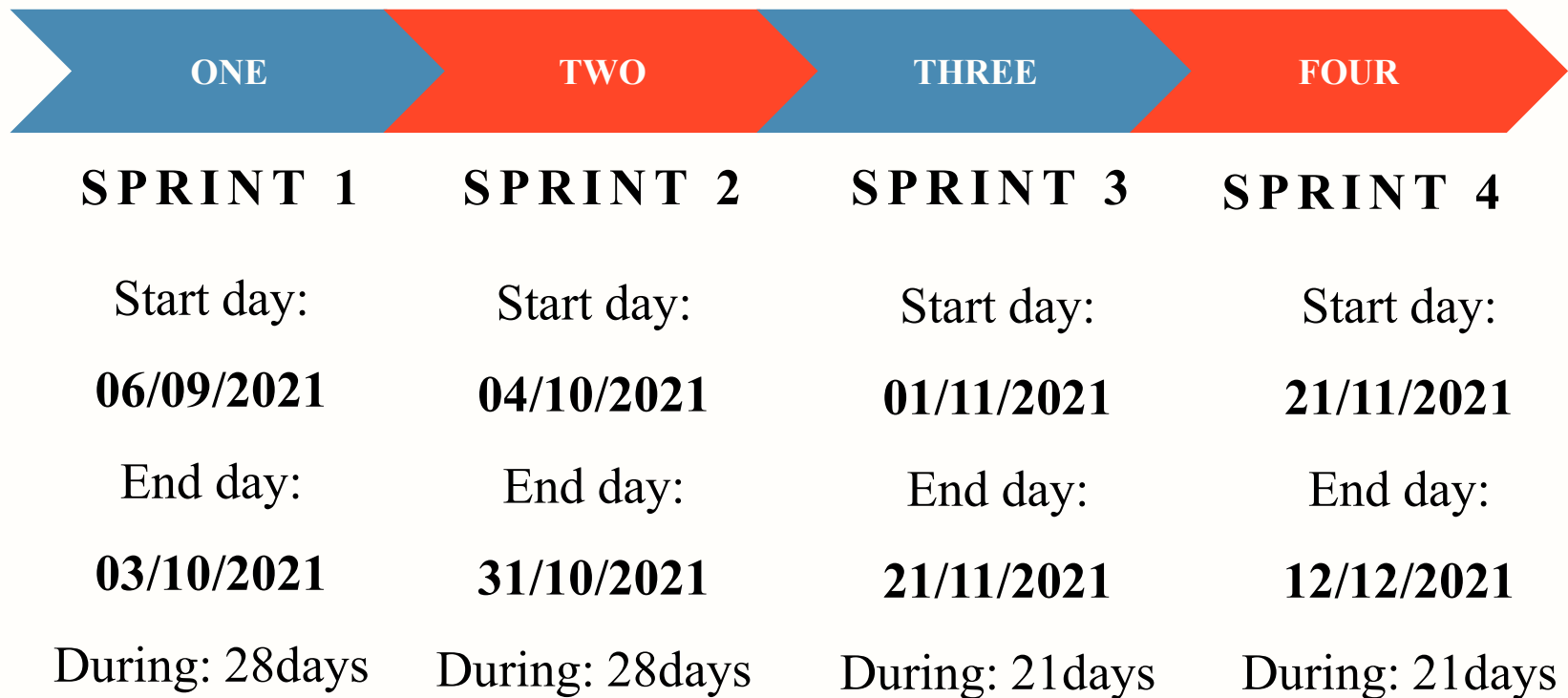
The Agile Scrum Framework at a glance



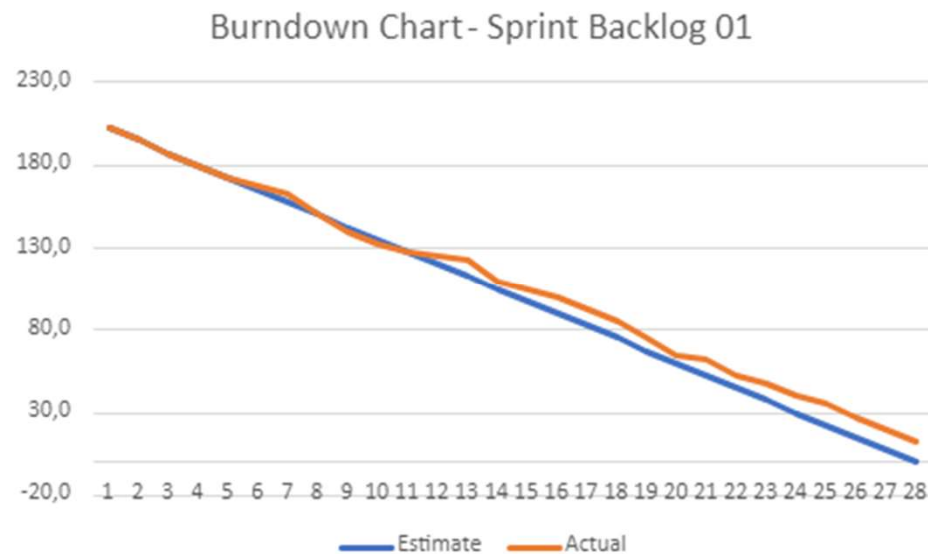
Scrum is an iterative and incremental agile software development framework for managing software projects and product or application development.

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PROJECT PROCESS



Sprint 1: Burndown Chart



Burndown Chart Sprint 1

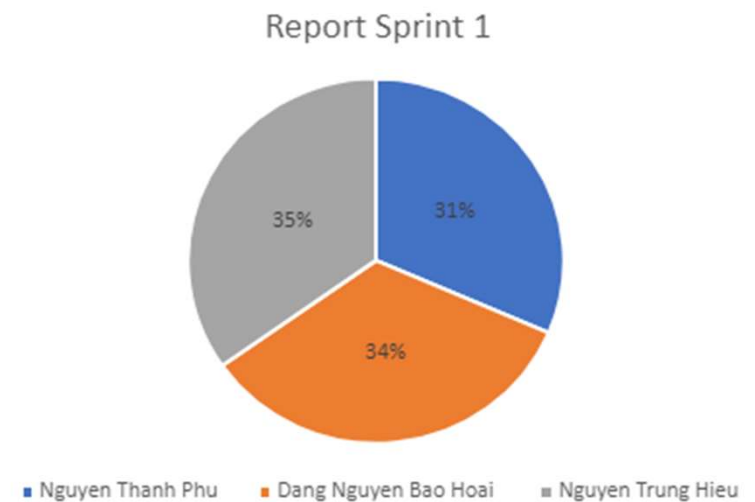
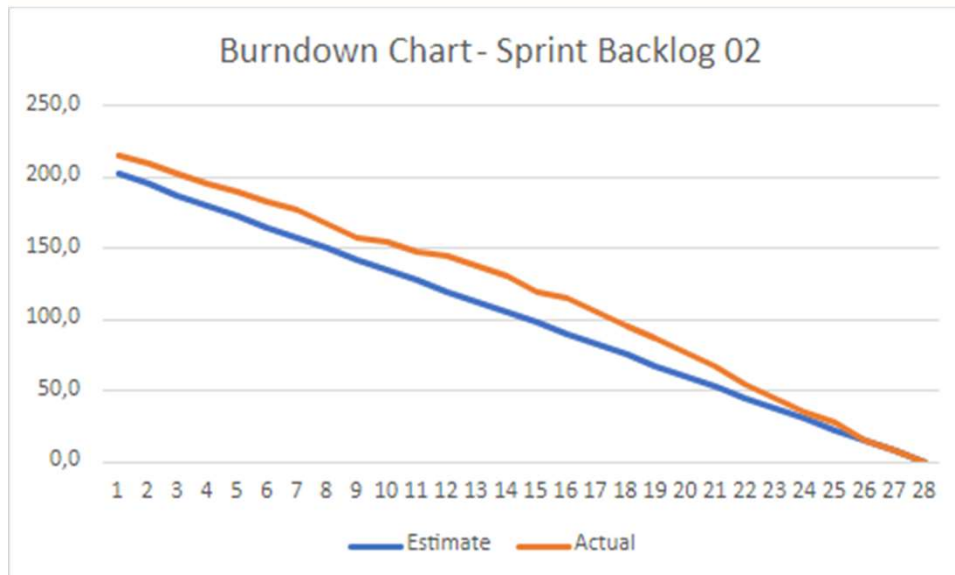


Chart dividing the actual working time of each member

Sprint 2: Burndown Chart



Burndown Chart Sprint 2

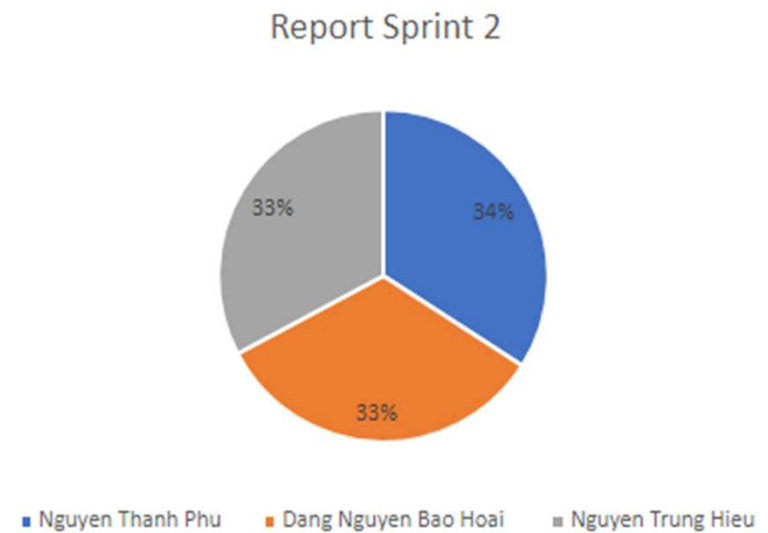
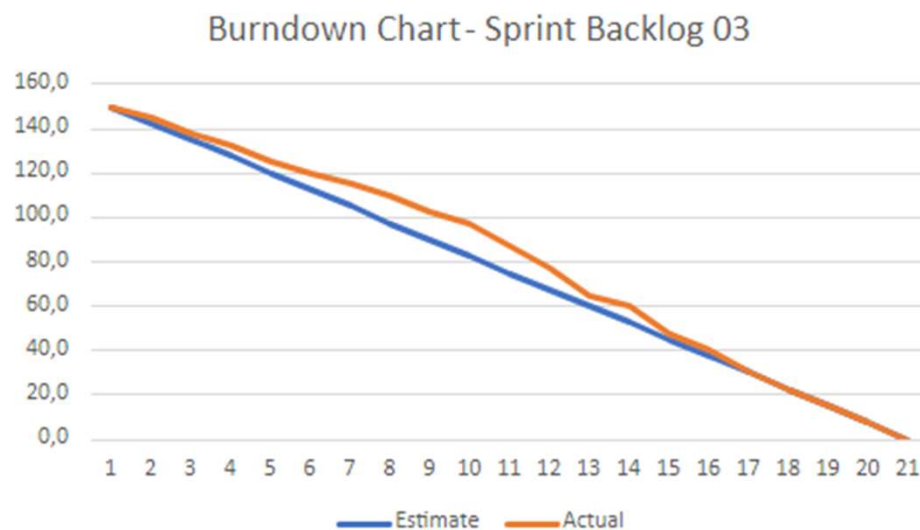


Chart dividing the actual working time of each member

Sprint 3: Burndown Chart



Burndown Chart Sprint 3

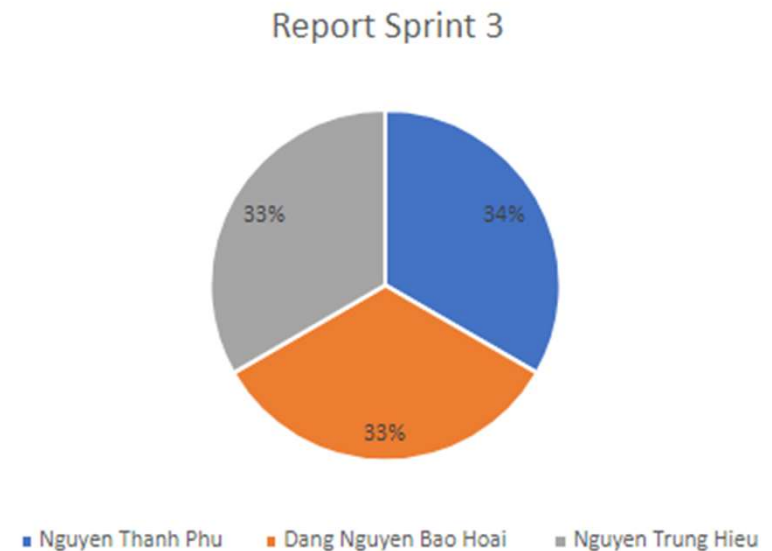
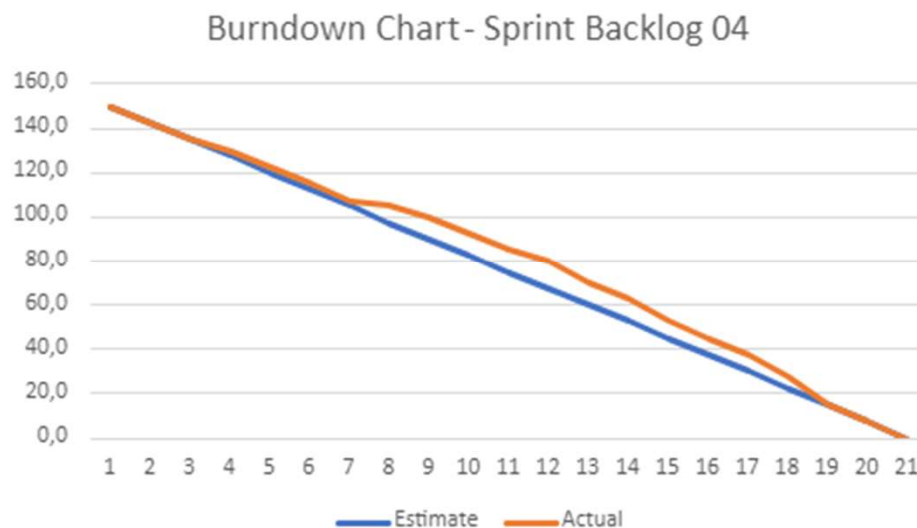


Chart dividing the actual working time of each member

Sprint 4: Burndown Chart



Burndown Chart Sprint 4

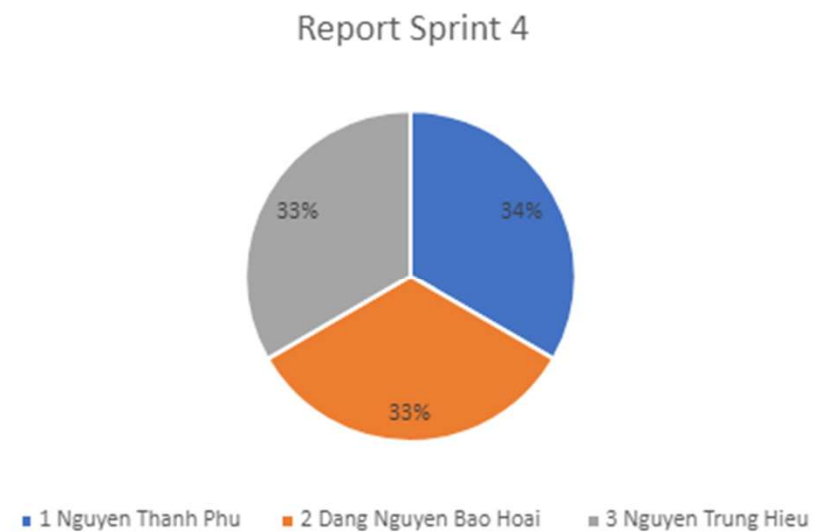


Chart dividing the actual working time of each member

SPRINT REPORT

Report Sprint 1			
STT	Name member	Estimal	Actual
1	Nguyen Thanh Phu	70	67
2	Dang Nguyen Bao Hoai	70	72
3	Nguyen Trung Hieu	70	74
Tổng		210	213

Report Sprint 2			
STT	Name member	Estimal	Actual
1	Nguyen Thanh Phu	70	76
2	Dang Nguyen Bao Hoai	70	74
3	Nguyen Trung Hieu	70	73
Tổng		210	223

Report Sprint 3			
STT	Name member	Estimal	Actual
1	Nguyen Thanh Phu	52,5	55
2	Dang Nguyen Bao Hoai	52,5	51
3	Nguyen Trung Hieu	52,5	53
Tổng		157,5	159

Report Sprint 4			
STT	Name member	Estimal	Actual
1	Nguyen Thanh Phu	52,5	53
2	Dang Nguyen Bao Hoai	52,5	52
3	Nguyen Trung Hieu	52,5	55
Tổng		157,5	160

REFLECTION



NOT GOOD:

- Lack of experience in project schedule management
- Not much experience with new technology



DIFFICULT:

- Manage time for the work of each task
- Learn new technology while working to apply to the project



LEARNING:

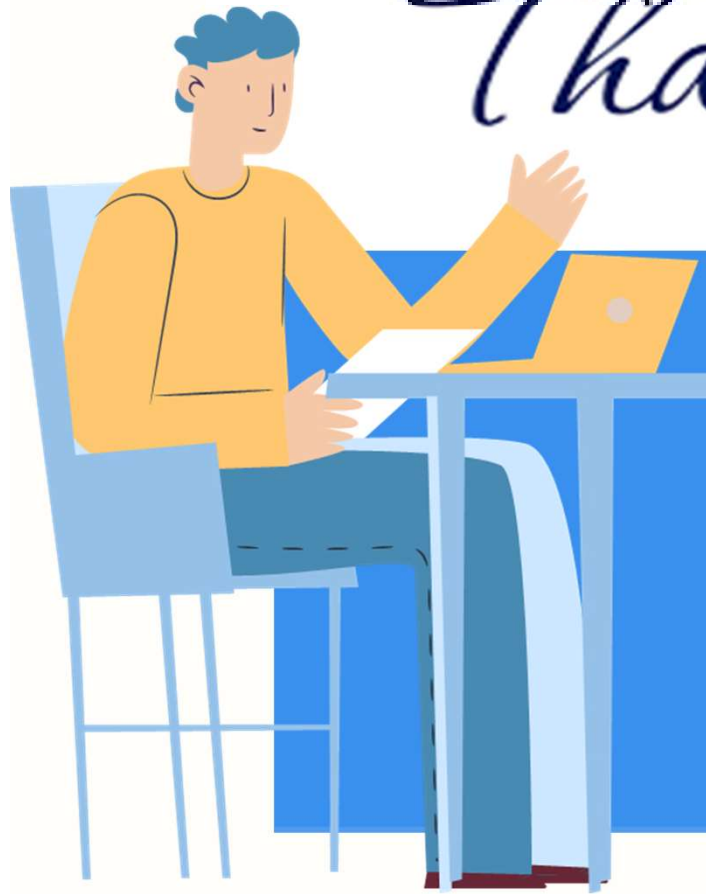
- New technology, teamwork
- Scientific workflow management
- Gained a lot of experience in project management and product making
- Learn and understand how to develop projects according to the process

C A P S T O N E 1

PRODUCT DEMO



Thank You!



*Does anyone have any
questions?*