Project Management

Assignment IV – Project Execution

Development of web application for tracking and analyzing web traffic

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Group: SE-1902

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Task management

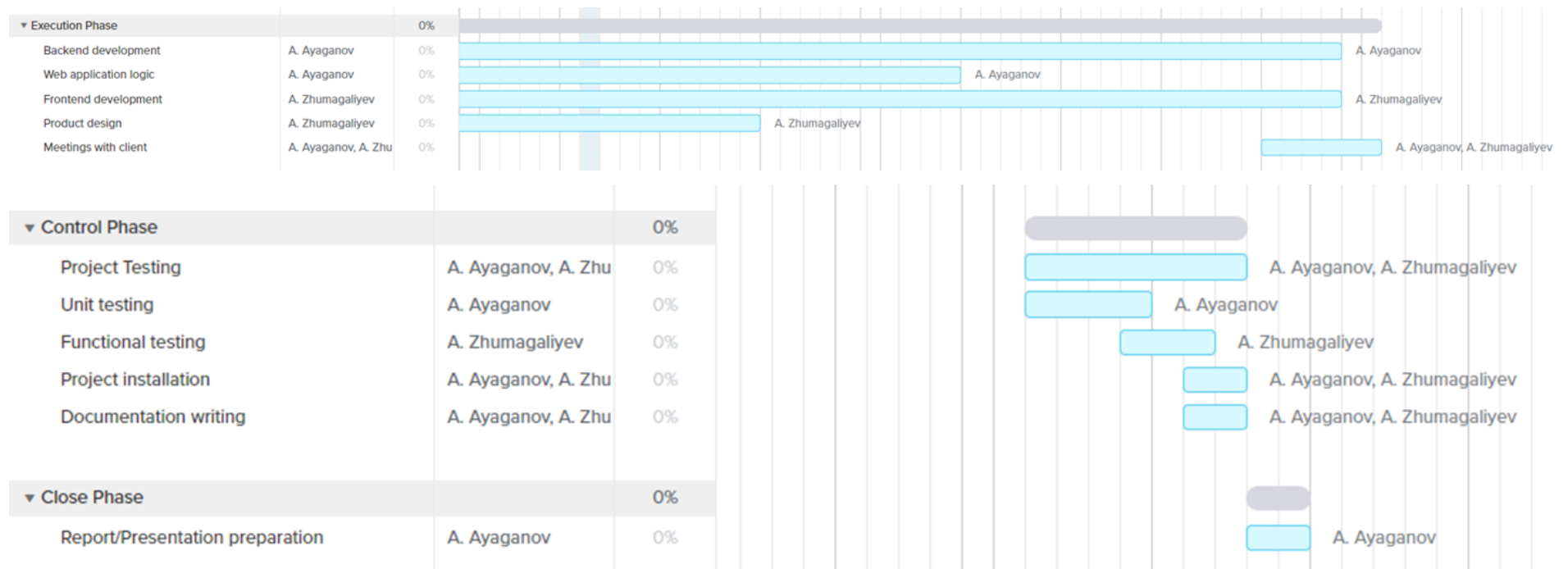| Task No.	Task Description	Task Owner	Dependency	Resources Needed	Task Status	Cost	Start Date	Estimated Completion	Finish Date
1	Initiation Phase								
1.1	Project requirements discussion	T. Akbota	Prior tasks	-	Complete	N/A	2021.12.15	1 day	2021.12.15
2	Planning Phase								
2.1	Work with potential users	A. Zhumagaliyev	Project schedule	Online resources, predefined documentation	Complete	N/A	2022.01.05	2 weeks	2022.01.21

2.1.1	Suvery with testers	A. Zhumagaliyev	Project schedule	Online resources	Complete	N/A	2022.01.05	2 weeks	2022.01.19
2.1.2	Interview with testers	A. Zhumagaliyev	Project schedule	Predefined documentation	Complete	N/A	2022.01.07	2 weeks	2022.01.21
2.2.1	Set up frontend instrument - Angular	A. Zhumagaliyev	Project schedule	Personal Computer	Complete	N/A	2022.01.06	1 day	2022.01.06
2.2.2	Set up backend instrument - Golang	A. Ayaganov	Project schedule	Personal Computer	Complete	N/A	2022.01.06	1 day	2022.01.06
3	Execution Phase								
3.1	Backend development	A. Ayaganov	Prior tasks	PC, Server, Development tool	In Progress	N/A	2022.01.25	2 months	2022.04.01
3.1.1	Web application logic	A. Zhumagaliyev	Development tool	PC, Development tool	In Progress	N/A	2022.01.25	1 months	2022.02.25
3.2	Frontend development	A. Zhumagaliyev	Prior tasks	PC, Photoshop, Development tool	In Progress	N/A	2022.01.25	2 months	2022.04.01

3.2.1	Product design	A. Zhumagaliyev	Photoshop skill	PC, Photoshop	In Progress	N/A	2022.01.25	3 weeks	2022.02.18
3.2.2	Code writing	A. Zhumagaliyev, A. Ayaganov	Product design	PC, Development tool	In Progress	N/A	2022.01.18	5 weeks	2022.04.01
3.3	Meetings with client	A. Zhumagaliyev	Report	Report	In Progress	N/A	2022.01.21	2 months	2022.04.01
4	Control Phase								
4.1	Project Testing	A. Zhumagaliyev	Development result	PC, Product	Assigned	N/A	2022.04.02	1 week	2022.04.09
4.1.1	Unit testing	A. Zhumagaliyev	Code structure	PC, Product	Assigned	N/A	2022.04.02	2-3 days	2022.04.05
4.1.2	Functional testing	A. Zhumagaliyev	Functional requirements	PC, Product	Assigned	N/A	2022.04.05	2-3 days	2022.04.09

4.2	Project installation	A. Ayaganov	Prior tasks	Server	Assigned	N/A	2022.04.10	1 day	2022.04.10
4.3	Documentation writing	A. Ayaganov	Prior tasks	Product	Assigned	N/A	2022.04.10	2-3 day	2022.04.13
5	Close Phase								
5.1	Report/Presentation preparation	A. Ayaganov	Development result	Product	Assigned	N/A	2022.04.14	1 day	2022.04.14
5.2	Closure meeting	A. Ayaganov	Prior tasks	Report	Assigned	N/A	2022.04.15	1 day	2022.04.15

Schedule management

	Assigned	Progress	DECEMBER 2021
			9 T / 10 F / 13 M / 14 T / 15 W / 16 T / 17 F / 20 M / 21 T / 22 W / 23 T / 24 F / 27 M / 28 T / 29 W / 30 T / 31 F / 3 M / 4 T / 5 W / 6 T / 7 F
PMs		**0%**	
▼ Initiation Phase		0%	
Project requirements discussion	T. Akbota	0%	T. Akbota

▼ Planning Phase		0%	
Work with potential users	A. Ayaganov	0%	A. Ayaganov
Survey with testers	A. Zhumagaliyev	0%	A. Zhumagaliyev
Interview with testers	A. Zhumagaliyev	0%	A. Zhumagaliyev
Design Frontend	A. Zhumagaliyev	0%	A. Zhumagaliyev
Design Backend Database/ Data flow models	A. Ayaganov	0%	A. Ayaganov
Set up frontend instrument - Angular	A. Zhumagaliyev	0%	A. Zhumagaliyev
Set up backend instrument - Golang	A. Ayaganov	0%	A. Ayaganov

Execution Phase		0%
Backend development	A. Ayaganov	0%
Web application logic	A. Ayaganov	0%
Frontend development	A. Zhumagaliyev	0%
Product design	A. Zhumagaliyev	0%
Meetings with client	A. Ayaganov, A. Zhu	0%

Control Phase		0%
Project Testing	A. Ayaganov, A. Zhu	0%
Unit testing	A. Ayaganov	0%
Functional testing	A. Zhumagaliyev	0%
Project installation	A. Ayaganov, A. Zhu	0%
Documentation writing	A. Ayaganov, A. Zhu	0%

Close Phase		0%
Report/Presentation preparation	A. Ayaganov	0%

Cost Management

In terms of cost management our team is not concern at all despite the lack of sponsorship. The instruments and tools that we utilize in the process of project development are either free or are already owned by team members we avoid any project development costs, excluding paying for the server hosting due to it being minimal in terms of cost.

Quality Management

As for the Quality Management our team came up with a few main tasks and goals that if achieved should lead us to success:

1) Keep the development in within the time limits.

2) The UI comes together as pretty and simple as it can.

3) Both API and web-application should launch in working condition.

4) Test the project for vulnerabilities before project release.

Change Management

We think that the more changes made in the project after start of work the more challenging it becomes to keep project together and can cause many problems to team and project itself. We don't plan on any changes before the project passes the MVP stage.

Procurement Management

The stage of Procurement Management stays void for us, for we don't plan on additional resources and adjacent with them costs.

Resource Management

	Quantity	Notes
Backend Developer	1	A developer who will be responsible for developing the backend application for that will serve both frontend and API
Frontend Developer	1	A developer who will be responsible for developing frontend application
Database	1	Remote storage
Domain	1	These are required for product release

Server	1	The hardware that will be running both of the applications
Personal computer	2	Developers' tools

Collaboration

Our team consists of two people hence there is no problem with communication in team. We communicate daily and update each other on everything project oriented everytime. Mainly we us social medial like VK and Telegram and Discord to discuss our work. GitHub is used to control the versions of project and manage the updates.

Monitor & Control Phase

Monitor the Process

We actively monitor the process of project development to ensure that it comes on time and assigned tasks and goals are met in time and no work is left out of the work plan.

Task no	Task Description	Priority	Start Date	Actual End Date	Status
1.1	Project requirements discussion	High	2021.12.15	2021.12.15	Complete
1.2	Set up hardware	Medium	2021.12.21	2021.12.21	Complete

Task no	Task Description	Priority	Start Date	Planned End Date	Status
3.1	Backend development	Medium	2022.01.25	2022.04.01	In Progress
3.1.1	Web application logic	Medium	2022.01.25	2022.02.25	In Progress

Reporting

We kept all the reports in their relative specialized templates and correctly formatted and submitted everything in timely manner.

Transfer Deliverables

As for now the project is in active development stage. After we are through, we shall focus on filling the according documentation for the project and publish them.

Confirm Completion

#	Full name	Date	Sign of Completion
1	A. Akbota		
2	A. Ayaganov		
3	A. Zhumagaliyev		

Review Documentation

As far as we know all of the documents have been signed accordingly. But we shall check them once more at the end.

Release Resources

There are no resources we plan to release as for now. But we are thinking about the change of servers in the future.

Do a Post-Mortem

In conclusion, we have big plans for this project and have big hopes for it. We also plan to gain more experience from development of this project and gain new knowledge that we can use in our future projects.