



KOÇ
UNIVERSITY



Comp 491 Project Progress – Project Meeting 3



"Ülgen": Residence Activity Monitor and OR Solutions to
Disasters

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Project Description

Background Research (All), UX/UI Design (Doruk),
Cloud / Backend (Kaan), Mobile (Can / Aybars), Google-OR (Can).

#	!	Task Name	Duration	Start	End	Priority	Completion	Work	Cost
1		Background Reseach	1 wk	20.03.2023	26.03.2023	500	0%	0 hrs	\$0.00
2		UX/UI Design	8 wks	27.03.2023	21.05.2023	500	0%	0 hrs	\$0.00
3		Cloud	10 wks	27.03.2023	4.06.2023	500	0%	0 hrs	\$0.00
4		Backend	10 wks	27.03.2023	4.06.2023	500	0%	0 hrs	\$0.00
5		Mobile	10 wks	27.03.2023	4.06.2023	500	0%	0 hrs	\$0.00
6		Google OR	8 wks	27.03.2023	21.05.2023	500	0%	0 hrs	\$0.00

March 2023 April 2023 May 2023 June 2023 July 2023

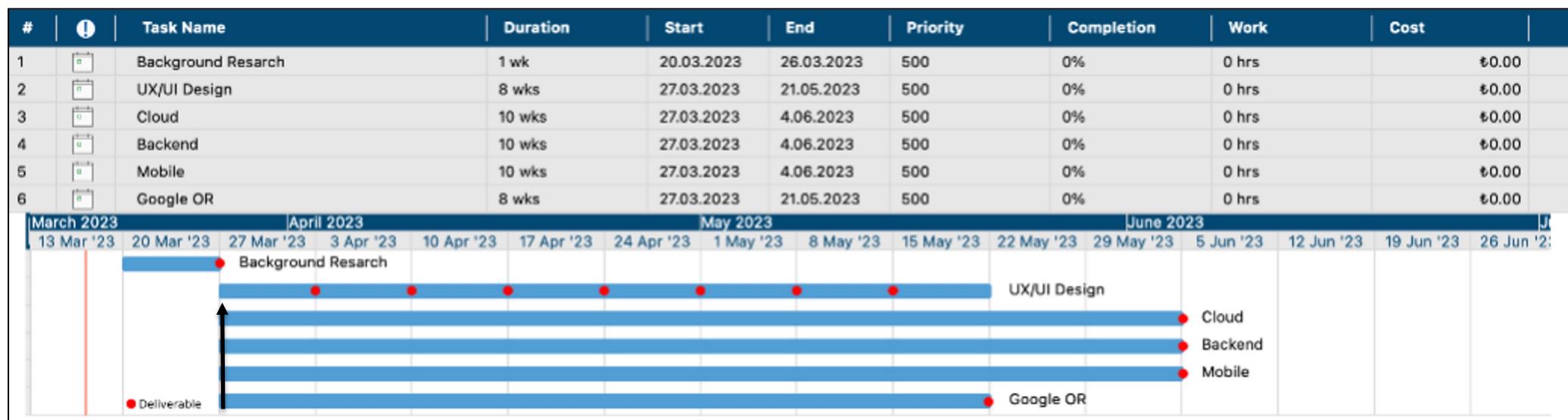
13 Mar '23 20 Mar '23 27 Mar '23 3 Apr '23 10 Apr '23 17 Apr '23 24 Apr '23 1 May '23 8 May '23 15 May '23 22 May '23 29 May '23 5 Jun '23 12 Jun '23 19 Jun '23 26 Jun '23

● Deliverable



Previous Progress Meeting

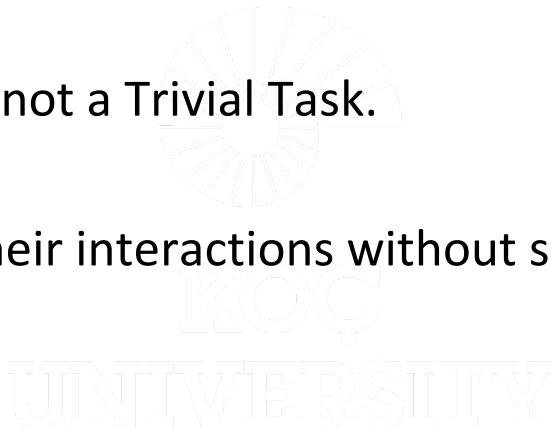
- Background Research Phase is completed.
- Architecture Diagram is introduced, Cost Estimation is made, and Initial Backend got Deployed on AWS EC2 (Kaan)
- Finalized the idea of Google OR exploration and its usage. (Can)
- UI/UX Design Goal is completed, and report created, planning of Exploratory Research (Doruk)
- Started analyzing Open-Source Repo: Ning. (Aybars)





Previous Project Meeting - Problems / Solutions

- Cloud
 - N/A
- Backend
 - N/A
- Mobile
 - Local Network Device Scanning is not a Trivial Task.
- UI Design
 - Thinking about the screens and their interactions without setting up user flows proved to be difficult.
- Google-OR
 - Google-OR Part is completed: some vehicles are not routing due to the efficiency.





Current Progress Meeting

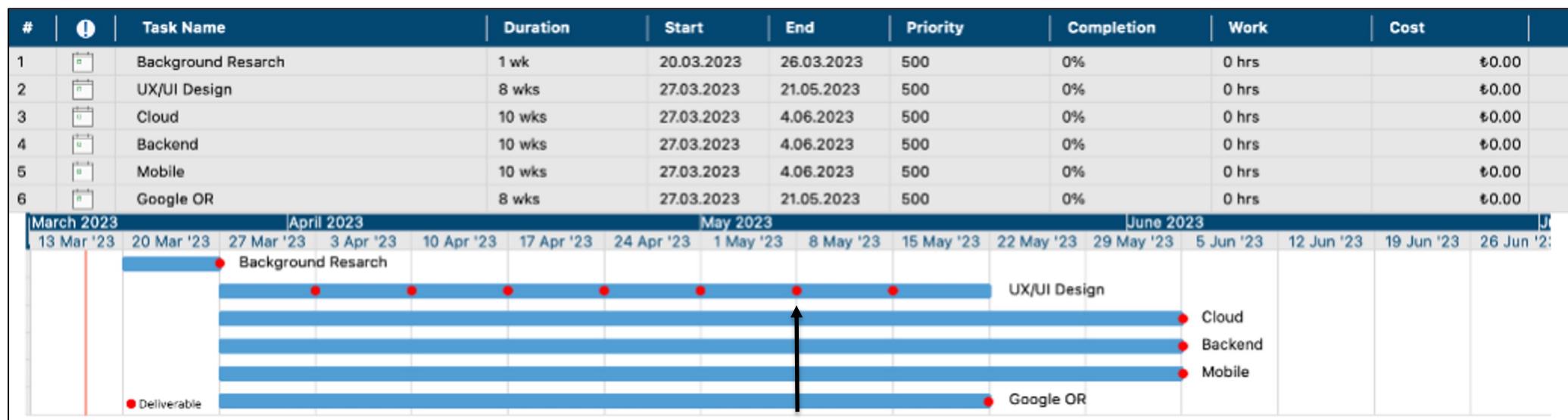
- Member, Producer, Consumer, Google-OR (REST + ML) microservices are completed. (Kaan)
- <https://api.ulgen.app> is now available (SSL is active), and our 105 USD budget is approved by dean. (Kaan)
- Google-OR Algorithm is completed. Switching to the Mobile Team for Local Networking Solution. (Can)
- User flow is created, exploratory interview questions are getting finalized, app logo is created. Login, Registration, Password screens created. (Doruk)
- Mobile (Android Studio) Implementation phase started. Live earthquake Screen and login screen are completed. (Aybars)





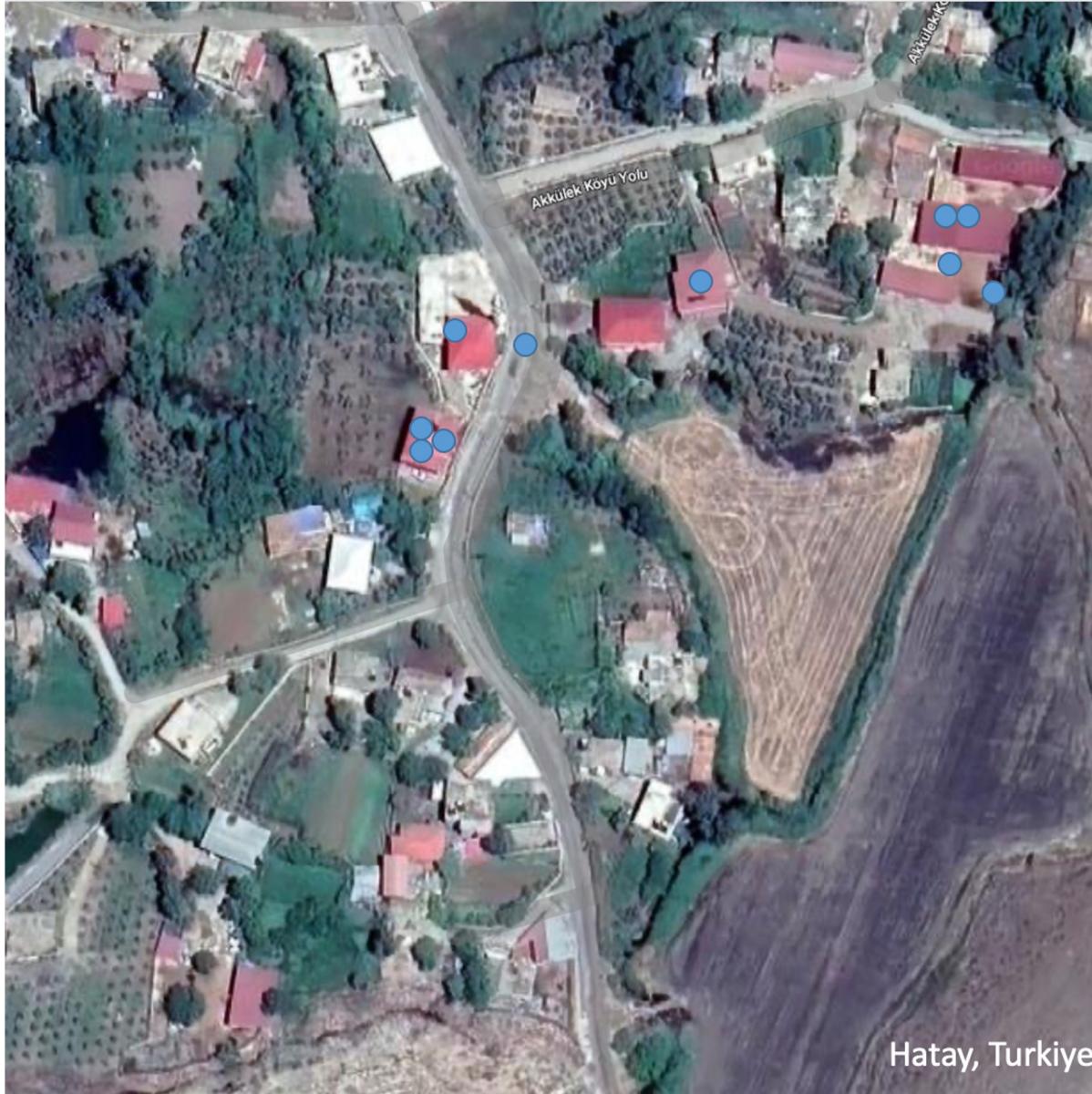
Next Project Meeting

- Javadoc, Testing, and API requests from Mobile Team. (Kaan)
- Local Area Network Devices will be gathered and sent to Producer Microservice. (Can)
- Most / All screen designs will be completed, Interview questions completed, and interviews will be conducted. Helping out mobile development. (Doruk)
- Additional screen designs will be completed. (Aybars)





Deliverable - Google-OR - Kaan (1)





Deliverable - Google-OR - Kaan (2)



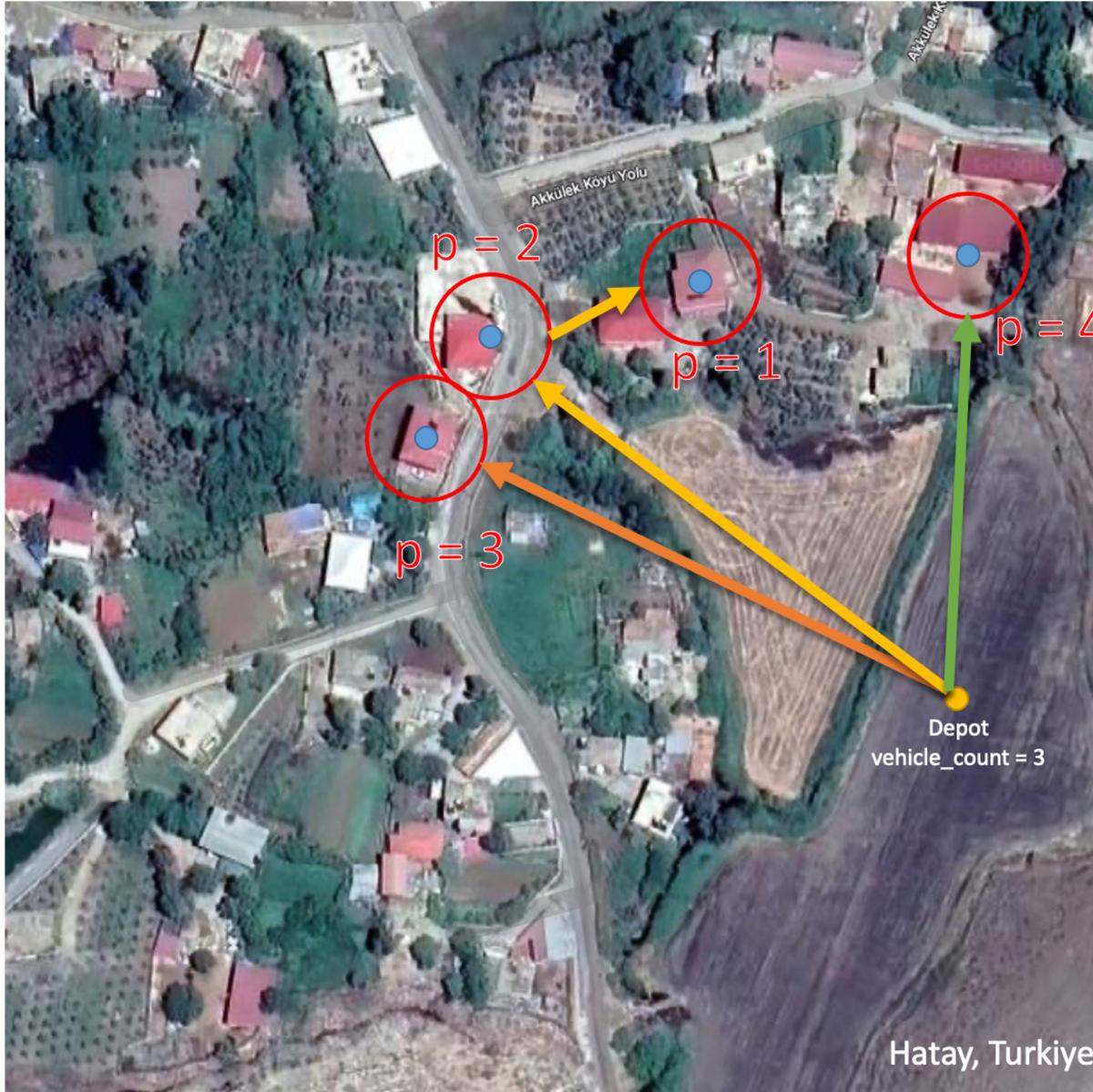


Deliverable - Google-OR - Kaan (3)



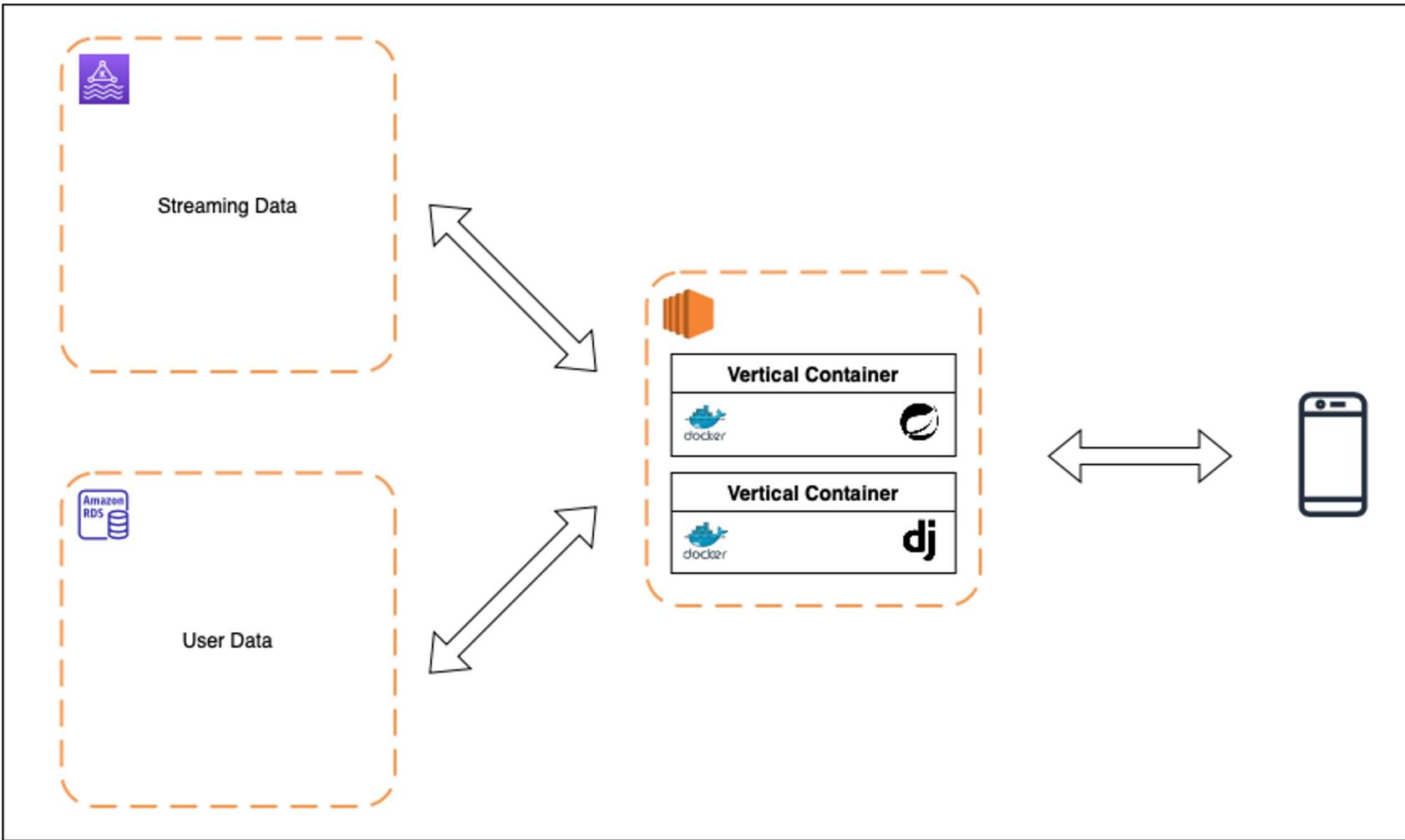


Deliverable - Google-OR - Kaan (4)





Architecture Diagram (Old)





Architecture Diagram (New)

