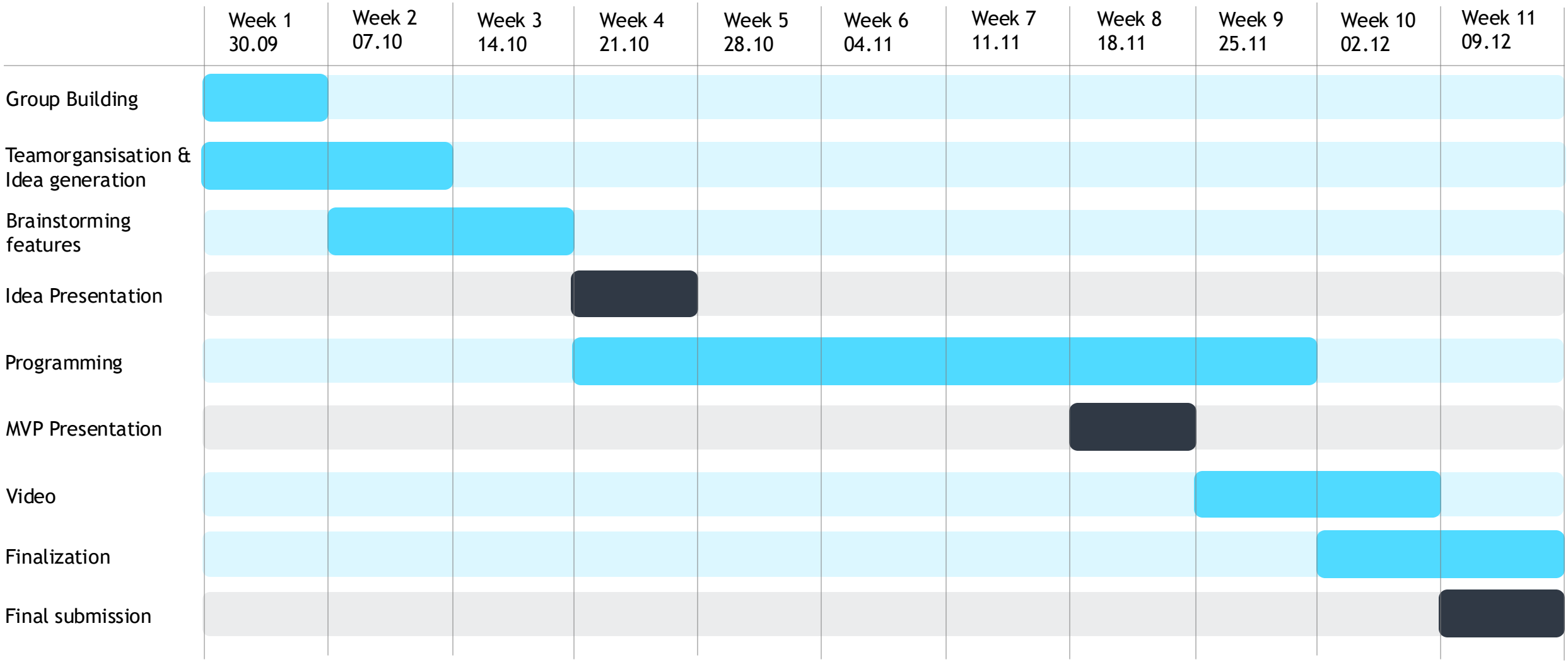
Group 09

Time Line


Week 1
30.09
Week 2
07.10
Week 3
14.10
Week 4
21.10
Week 5
28.10
Week 6
04.11
Week 7
11.11
Week 8
18.11
Week 9
25.11
Week 10
02.12
Week 11
09.12
Group Building
Teamorgansisation & Idea generation
Brainstorming features
Idea Presentation
Programming
MVP Presentation
Video
Finalization
Final submission

Usage of API

Microsoft Graph API (via MSAL)

- This API is used to interact with Microsoft services, particularly to fetch calendar events from Outlook.
- We use it to get a **list of events** within a specified data range by making requests to the /me/ calendar-view endpoint.
- Multiple **request methods** including .POST and .GET we used to perform diverse data operations efficiently.
- Exporting of PDFs with a Mail.Send .POST request

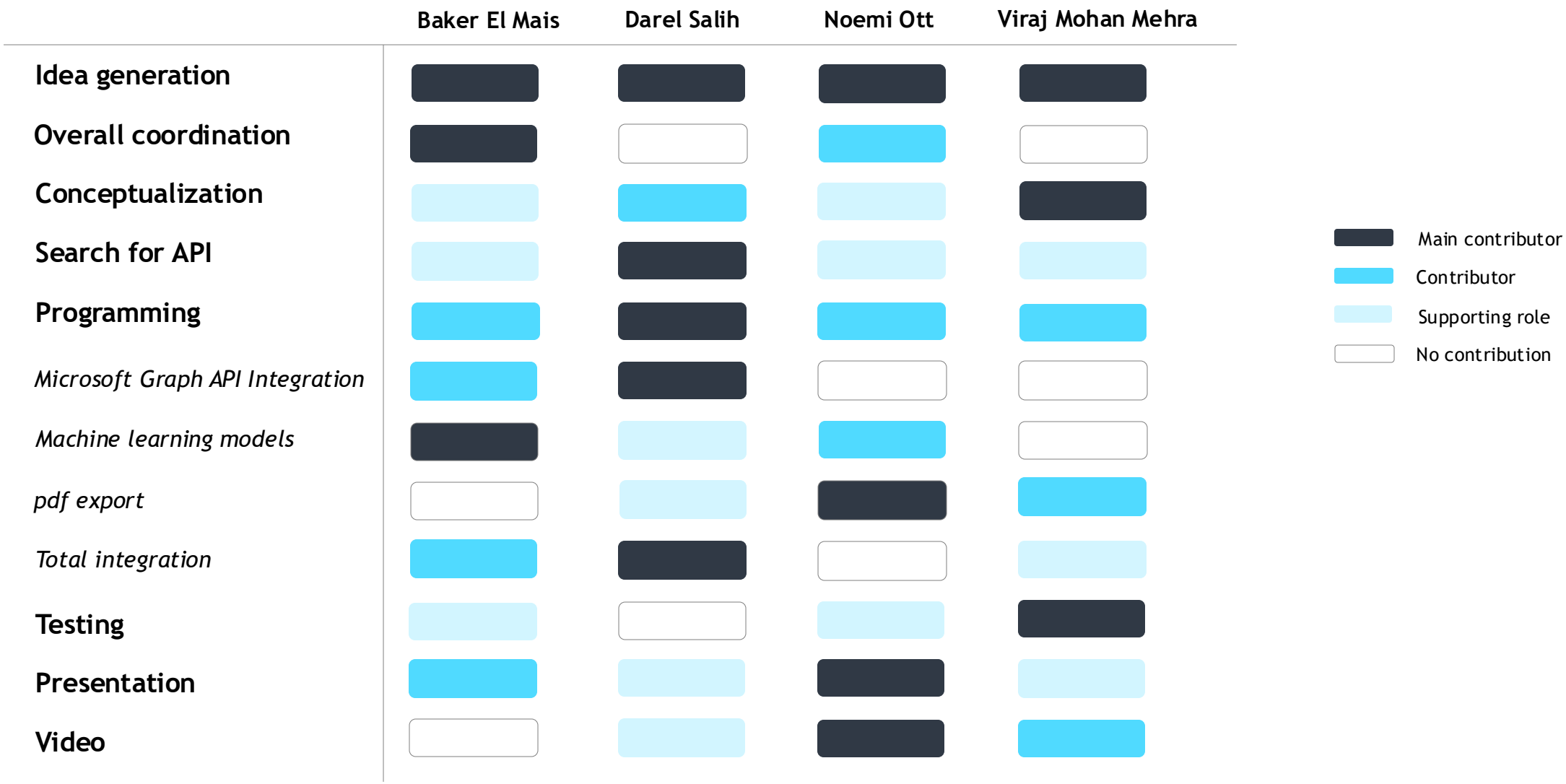
MSAL (Microsoft Authentication Library)

- MSAL is used to **authenticate users** and **acquire an access token**, enabling **secure communication** with the Microsoft Graph API.
- It handles the OAuth2 flow, providing the token needed to make **authorized requests**.

Streamlit Calendar Component

This component provides a **visual calendar interface** in the Streamlit app. It is used to display calendar events that are taken from the Outlook calendar.

Teamorganisation



Our approach

Clear Role Allocation:
We organized ourselves by dividing tasks such as idea generation, coordination, conceptualization, programming, testing, presentation, and video production, using a **team contribution matrix**. Each member was assigned roles as **main contributor**, **contributor**, or **supporter** for each task, ensuring clarity and accountability.

Clear Timeline:
We structured our project around a **clear timeline**, setting milestones for each task, such as idea generation, programming, testing, and presentation. This timeline ensured that we stayed on track and allowed us to allocate time effectively.

Regular Communication:
We held **weekly team meetings** to check progress, discuss challenges, and share updates. Pair programming sessions and collaborative workshops helped solve complex issues efficiently.

Why we chose this approach

Efficiency and Specialization: By dividing responsibilities based on skills, we ensured that each task was handled by someone with relevant expertise.

Flexibility: Timeline allowed us to stay ahead during the project and adapt to new challenges or ideas without losing time.

Collaboration and Accountability:
Regular communication and shared tools ensured everyone was aligned, fostering accountability and teamwork.