5. Stakeholders: Identify and list all stakeholders involved in the project, including their roles and responsibilities.

Stakeholder	Roles	Responsibilities
End User	Consumes and generates content	Providing feedback, accurately entering/syncing data, using the application properly
Owner	Sets the overall vision / strategy	Defining the overall product roadmap and goals, securing funding, managing business operations
Dev Team	Build and maintains the project	Implementing the backend database and APIs, writing secure and scalable code, managing infrastructure, and handling data encryption, handling front end coding of designs, and having meetings to discuss progress.
Investors	Provides funds and guidance	Supplying funding, providing strategic advice

6. Project Team: Outline the members of the project team, their roles, and reporting relationships. Callen, Mehtab, Anubhav, Maddy

Team Member	Roles / Relationships
Callen	Front End Designer
Mehtab	Database Management
Anubhav	Backend / API integration
Maddy	Encryption / Data Management

12. Risk Management: Identify potential risks and develop strategies for risk mitigation.
Include contingency plans for addressing unforeseen issues.

Risk	Description	Mitigation Strategy	Contingency
Data Breach / Theft	Unauthorized access to the central user database (emails, passwords, health metrics) due to server hacking or system vulnerability.	Prioritize Encryption: Use end-to-end encryption for data in transit (TLS/HTTPS) and encryption at rest (database-level). Implement Two-Factor Authentication (2FA) for all users.	Immediately take servers offline (or affected services), locate the issue,
API Token Compromise	An attacker steals the security tokens used to access a user's data on a third-party platform (e.g., Apple Health).	Token Vaulting: Store all third-party API tokens securely in an encrypted vault, separate from the main user database. Implement strict token expiration policies.	Reset all stored tokens to block further compromised access, and work on a fix
Data Inconsistency	Calorie counts, steps, or distances differ significantly between platforms, confusing the user and damaging trust in the "congruent app."	Map and convert all external data into a single, internal data format	If a platform's data is flagged as suspiciously inconsistent, allow the user to temporarily disable that source until it can be fixed in the backend
Scalability Bottleneck	Rapid, successful user adoption overwhelms your database or server infrastructure, leading to slow load times and outages.	Design the backend from day one to be easily scaled by adding more servers	Implement a waiting list or limit new sign-ups during high-growth periods to stabilize infrastructure before accepting new users.
External API Failure	A partner platform (e.g., Google Fit) changes its API, goes down, or revokes your access, disrupting data synchronization.	Make sure to cache information as we go, so that any disruption will not affect us as much. It will give time to react to the change, and roll out an update.	Cache the last known good data on the user's device and display it with a clear timestamp and warning

13. Communication Plan: Define how communication will be handled throughout the project, including regular meetings, reporting mechanisms, and channels of communication.

Purpose	Primary Tool/Channel	Format & Notes
Task Management	Trello	All new features, bugs, design feedback, and blockers must be logged here
Code Collaboration	Github	Version control, code reviews, pull requests, and tracking technical debt. Essential for the Dev Team's daily work.
Urgent Communication	Discord	Used to quickly contact everyone at the same time to resolve issues. Larger changes should be done in minute recorded meetings with all present.
Documentation/Artifacts	Google Docs	Storing design mockups, technical specifications, backend interactivity information, encryption details etc.

Informal and Formal Meetings

Informal Meetings	
Detail	**Description**
Slots	Weekly (so far on Thursdays each week)
Attendees	Everyone in the group
Goal	To see what everyone has been up to relatively quickly and ensure the work we are doing is up to par, and works together well
Format	Should be done simply and quickly through screen shares or looking at the same doc for easier communication

Formal Sprint Meetings	
Detail	**Description**
Slots	Bi - Weekly (Monday Meetings in university)
Attendees	Everyone in the group
Goal	To talk to the module lead and show him what we have done, with models or information to prove the work, showing the trello board and google docs.
Format	A formal report and a demonstration of the current app state

COREFOODS will support Android devices running a minimum of API Level 28, ensuring broad compatibility while utilizing modern security and performance enhancements. I am making it in the emulator for the "pixel 6 pro", so it should therefore be compatible with at least 95 % of all android machines. The application is optimized to function across all standard Android screen sizes and densities.