Password Generator

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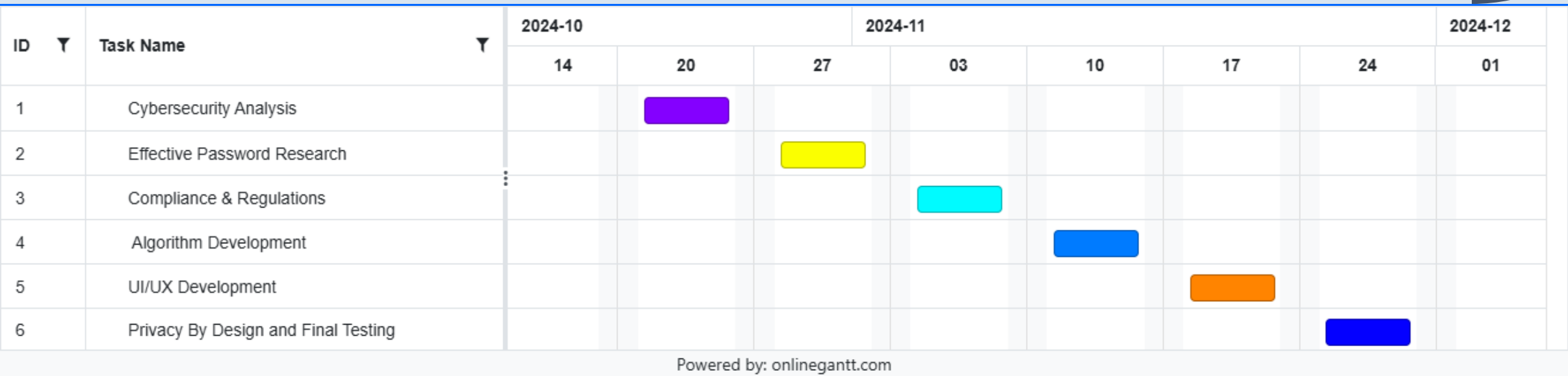
Project Timeline

Responsibilities

Mockup

High Level Overview

This project will address **cybersecurity risks** by analyzing real-world breaches caused by weak passwords, offering insights into threats and vulnerabilities. It will explore **best practices** for building resilient passwords, focusing on length, complexity, and randomness to enhance security. The project ensures **compliance** with GDPR and other data protection regulations, with a robust **algorithm** generating secure, randomized passwords. A **user-friendly interface** will be created for easy use, while **privacy-first design** ensures no password data is stored or transmitted, ensuring total security and user trust

Project Timeline

ID ▼	Task Name ▼	2024-10			2024-11				2024-12
		14	20	27	03	10	17	24	01
1	Cybersecurity Analysis		▮						
2	Effective Password Research			▮					
3	Compliance & Regulations				▮				
4	Algorithm Development					▮			
5	UI/UX Development						▮		
6	Privacy By Design and Final Testing							▮	

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Responsibilities [Implementation wise]

- Collecting the details from data breaches to understand the scope of weak passwords.

- Analysis on effective passwords and their role in attack resilience.

- Collecting details about regulations [GDPR] for processing passwords .

- Algorithm development covering essential metrics and user choice based.

- Frontend development with specific goal of effective usability.

- Integration with public APIs to check generated password breach status and enablement of client side rendering to ensure privacy by design.

Mockup

hJxJPMJj5R2eSIT   **Very strong**   ↺   **Copy**

Password length:

15

Characters used:

☑ **ABC**   ☑ **abc**   ☑ **123**   ☐ **#$&**

Thank you