Task List for Planning Session

Create GitHub Repository
- Set up a new repository on GitHub for the project.

Project Setup
- Initialize the project with necessary files and folders.
- Add collaborators to the repository.

Define Task Topics
- Create six task topics representing each stage of development.
    - Planning
    - Testing
    - Proof of Concept (POC)
    - Replanning + Database Integration
    - Containerization
    - Deployment

Define Tasks within Each Topic

Planning
- Define project requirements and goals.
- Identify key features and functionalities.
- Establish project timeline and milestones.
- Allocate tasks to team members.

Testing
- Develop test cases based on project requirements.
- Implement Test-Driven Development (TDD) approach.
- Ensure comprehensive test coverage for critical functionalities.

Proof of Concept (POC)
- Develop a basic prototype of the Snake game application.
- Focus on core gameplay mechanics and user interface.
- Incorporate basic functionality without database integration.

Replanning + Database Integration
- Review initial project plan and make necessary adjustments.
- Integrate a database for storing player scores and game data.
- Implement CRUD operations for database interactions.

Containerization
- Containerize the application and database using Docker.
- Write Dockerfiles for both the application and database.
- Create a Docker Compose file for orchestrating containers.

Deployment

- Set up continuous integration and continuous deployment (CI/CD) pipelines using GitHub Actions.
- Automate build, test, and deployment processes.
- Ensure seamless deployment of the application on hosting platforms.

Presentation/Release
- Prepare a 5-minute presentation showcasing the project's features and development process.
- Highlight key milestones, challenges faced, and lessons learned.
- Demonstrate the deployed application and its functionalities.