**Literature Survey:** A detailed overview of the current related games and game research. Which papers did you read? What are the current capabilities or properties of similar games? What are their limitations?

**Idea:** All games begin with an idea; write your game idea that you want to work on briefly.

**Title and Description:** Write a descriptive title of your game and a one-sentence description, including the core characteristics of your game.

Palette of Memories: The Artist's Path to Remembrance

**Game Summary:** Describe the game in a paragraph or so, emphasizing its important features.

**Game Overview:** Write the genre of your game, target platform, number of players, and a description of the game world you plan to build.

**Characters:** Describe the characters you plan to include in your game.

**Storyboard:** Prepare a storyboard for your game, either drawn by hand and scanned or drawn digitally.

**Game components:** Describe the game components you are planning to use in your game, if any, such as physics, audio, and artificial intelligence.

**Design patterns**: Which design patterns will you be using in your game? For which tasks? Make sure that you will be experimenting with at least two different patterns in your project.

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| --- | --- |
| 2. Architecture, Performance, and Games  Command and Flyweight Design Patterns | 29.02.2024 |
| 3. Presentations | 07.03.2024 |
| 4. Observer and Prototype Design Patterns  Singleton and State Design Patterns | 14.03.2024 |
| 5. No Class | 21.03.204 |
| 6. Double Buffer and Game Loop Sequencing Patterns  Game Loop and Update Method | 28.03.2024 |
| 7. Midterm | 04.04.2024 |
| 8. Ramadan Feast | 11.04.2024 |
| 9. Presentation | 18.04.2024 |
| 10. Bytecode Behavioural Patterns  Subclass Sandbox and Type Object | 25.04.2024 |
| 11. Component and Event Queue Decoupling Patterns  Service Locator | 02.05.2024 |
| 12. Data Locality and Dirty Pools Optimizations  Object Pool Optimization | 09.05.2024 |
| 13. Spatial Partition | 16.05.2024 |
| 14. Final Presentation | 23.05.2024 |