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.Cat-Facts {

project: plan;

**Executive Summary**

We want to allow gamers to connect and exchange information. The global gaming industry is expected to be worth $321 billion by 2026 (pwc). We believe we can position ourselves at heart of this market. Gaming represents a convergence of emerging technologies, such as blockchain and AI. There is tremendous enthusiasm around gaming, and we want to be a spark in this engine for powering the future of technology.

**Functional Requirements**

User Stories:

1. As a gaming enthusiast, I want to have a personal account on the gaming forum, so I can access and engage with the community, participate in discussions, share my experiences, and connect with fellow gamers.
2. As a gaming forum member, I need a homepage so that I can quickly see the content I care about the most and can easily navigate the site.
3. As a gaming enthusiast, I want to have a personal account on the gaming forum, so I can access and engage with the community, participate in discussions, share my experiences, and connect with fellow gamers.
4. As a member of the gaming forum, I want to access a comprehensive video game database so that I can easily find information about various games, including details like release dates, platforms, genres, and user ratings.
5. As a dedicated gamer, I want to have access to comprehensive gaming guidebooks that provide detailed information, tips, and strategies for various games, so I can enhance my gameplay and discover hidden secrets.
6. As a collaborator, I want to have a space where I can interact with others who have a competitive mindset to form teams, so that we can organize ourselves into doing competitive gaming.
7. As someone who has a lot of questions about games, I’d like a way to ask an answer questions so I can learn and share my knowledge.
8. As someone who likes to stay up to date, I want a way to read and discuss gaming news, so I can stay informed about new game releases, updates, industry trends, and events.

**Technical Requirements**

1. We will be using Java for our back end and middle layer. We will be using NetBeans for IDE.
2. The code will include comments explaining each class and method.
3. Our app will incorporate a web GUI using Java Server Pages.
4. We will be using JavaScript event listeners and HTTP request and response with form submissions.
5. Our website will include descriptive labels to allow users to navigate the site. This will be accomplished with appropriately labeled buttons, forms, links, and section headings.
6. A database will be developed in MySQL based on our “Cat Facts” ERD.
7. JDBC will be used to connect the Java code to our database.
8. We will store entity attributes in instance variables for the corresponding objects in our Java code.
9. We will perform mathematical operations – for example, by randomly selecting a “latest game” to feature on the home page.
10. We will compare values using Boolean operators – for example, to select a sample of the 5 games newest games in our DB, or to limit the number of players who can join a team.
11. We will use conditional statements to change the display for un/successful logins, or to show a user whether are friends with another user.
12. We will repeat steps in the program using loops – for example, looping over a result set while it has values to display,
13. We will be using database entity model classes and DAOs to ensure our code is modular.

# References

pwc. "Perspectives from the Global Entertainment & Media Outlook 2023–2027." 2023. *pwc.com.* Electronic Document. 2023.