Triplex UML Class Diagram

Aiden Nelson, Simran Patel, Ryan Hughes, Zackary Bahn | March 19, 2023

GameController
- games: Game[]

+ getGame(id:int):Game

Calls

1

3...*

Game
- id:int
- name:string

+ play()
+ getName(): name
+ getId(): id

0...1

1

0..*

Snake

Tetris

Maze Runner

Dashboard
- currentUser:User
- currentGame: Game

1

1

Calls

LoginController
- password:string
- userId: string

+ CreateUser(id, password): User
+ SignIn(id, password):User
+ TestSignIn(id, password): User

Calls

User
- userName:string
- password:string
- highScores: {Game: int}
- theme: Theme

+ getHighScore(Game) : int
+ getUserTheme(): theme

1

1

0..*

DatabaseManager
- connectionString: string
- passwordSalt: string

+ getUser(id, password):User
+ CreateUser(id, password): User
- hashPassword(password): string