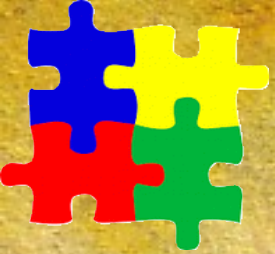


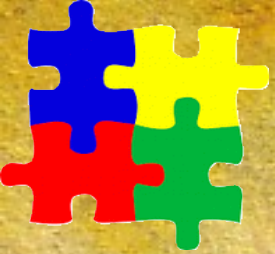
Applied Development Project, Spring 2017

Danielle Marcoullier



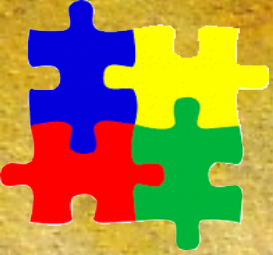
What is PuzzPak?

- Game pack with well known games and a scoring system
 - Allows people to challenge each other
- Allows people to pick up an easy, but challenging game and play competitively
 - Games aren't very complex, suitable for everyone.

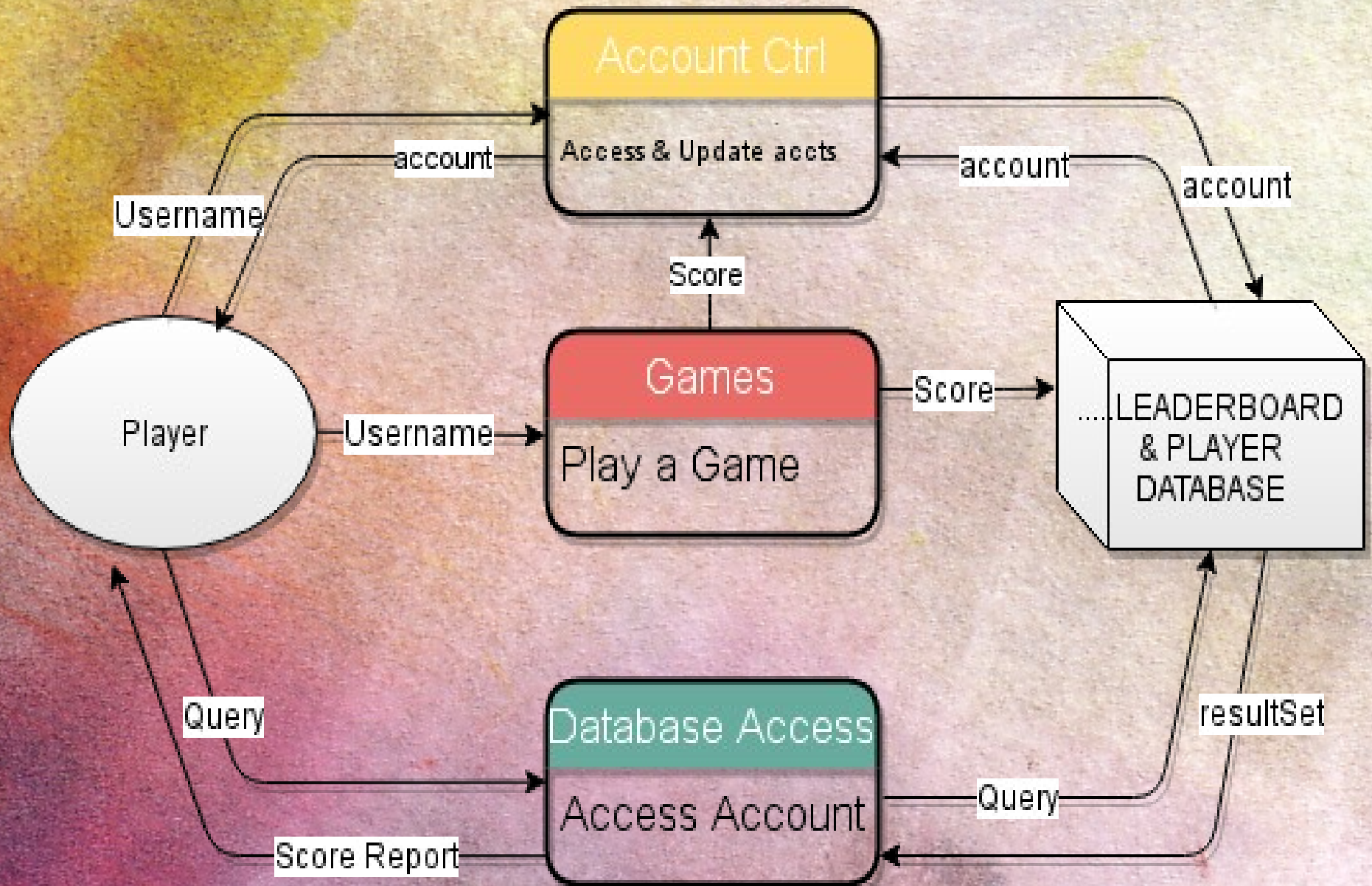


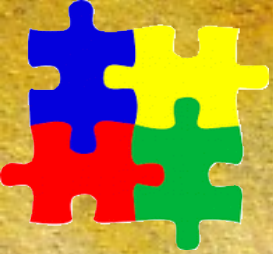
What's Included

- **Hangman**
- **Tik-Tak**
- **Memory Tiles**
 - **Easy and Hard difficulty**
- **Leaderboard / Scoring system**
- **Player Accounts**

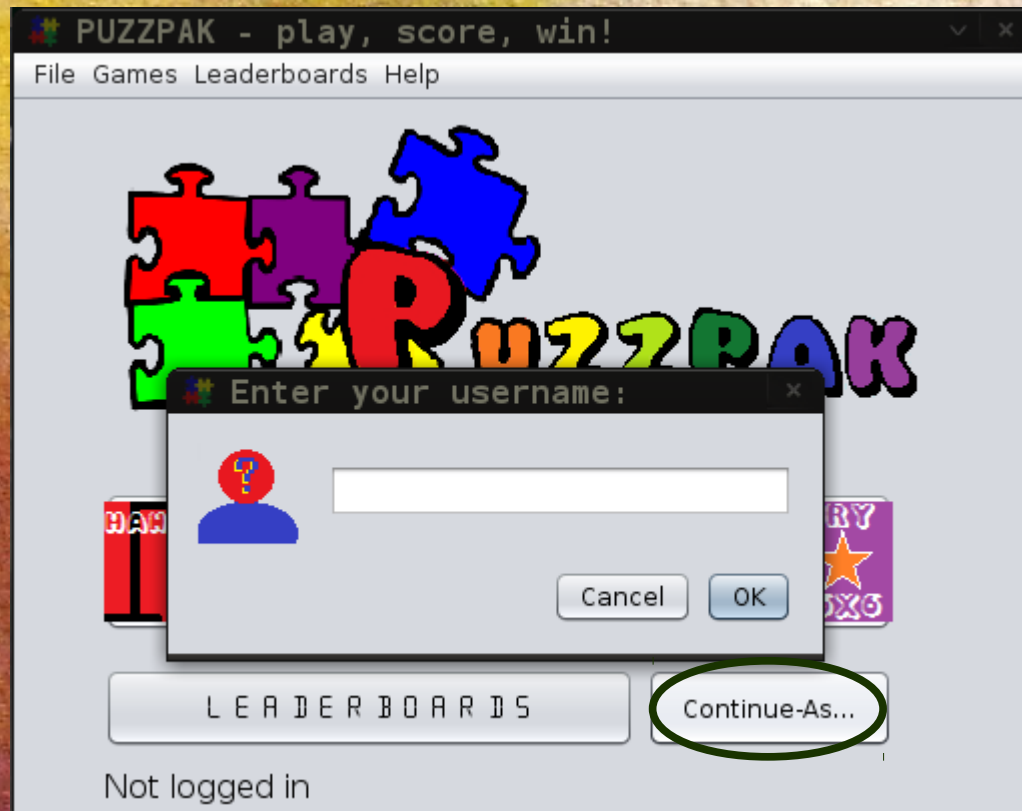


How Does it Work?

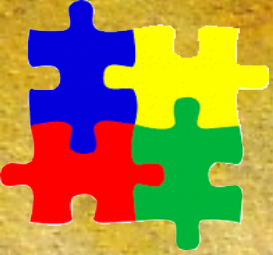




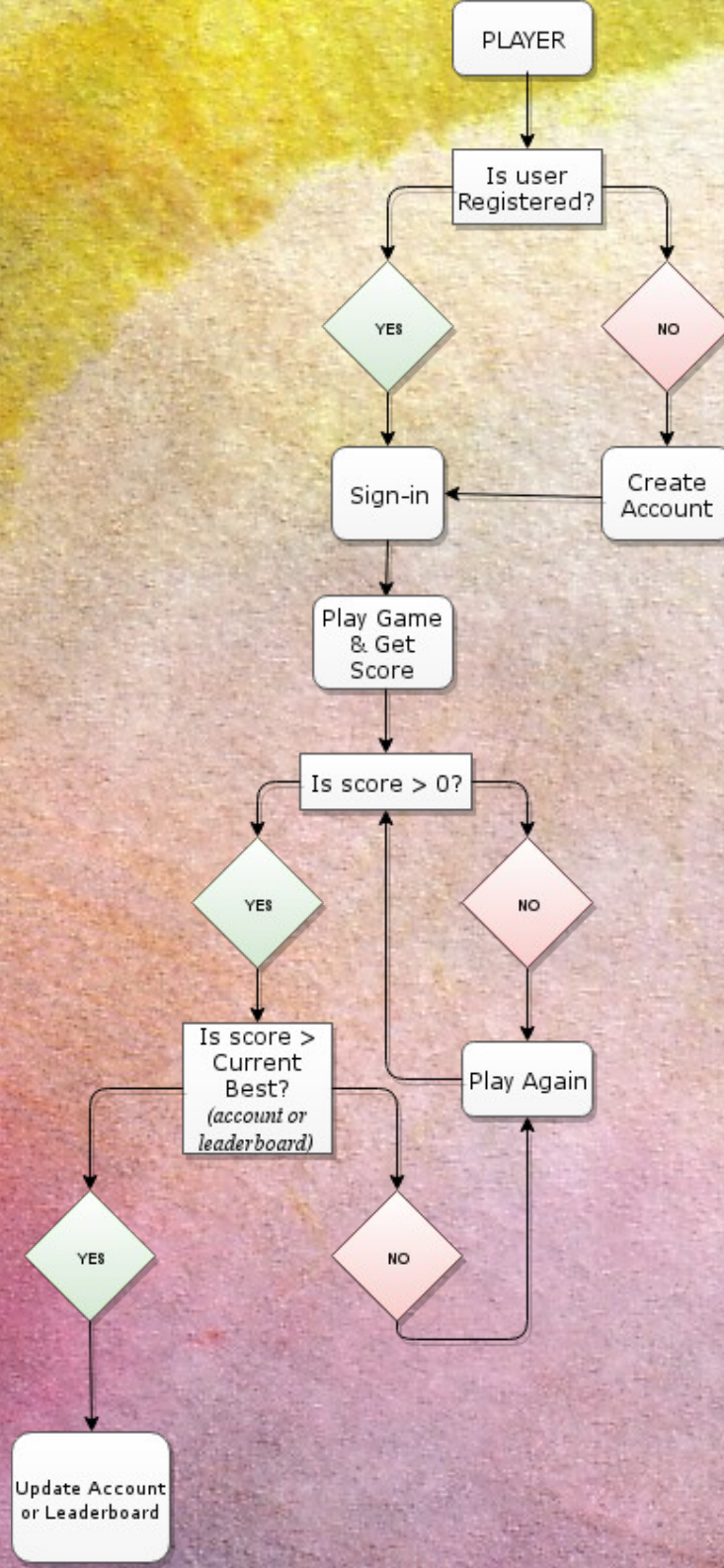
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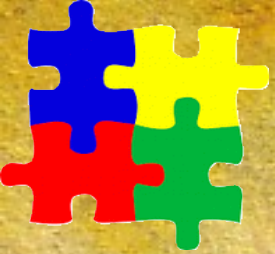


Interacting with the Database



How Does it Work?





Constraints & Processing

- **Username must be 15 or less chars, not null, and will be forced to be lowercase.**
- **Each game processes scores before posting.**
 - **Cannot be 0 or below 0**
 - **3 rounds of Point based games required.**
 - **Previous score for applicable game must be lower than the score just achieved.**
- **High-Range bounds checking for scores are not needed, because it is impossible. 100% for point-based games will never occur. Each game will generate a score in a valid range.**