



# Rollins Game Review Forum

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Array & Back-end Implementation  
Front-end Implementation  
Archiving & Back-end Implementation

# What Did We Want to Make?

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Our original idea was a Video Game User Review System, that eventually grew into a Video Game Review Forum for Rollins students capable of the following:

1. Processing existing user review scores for video games onto a visual forum.
2. Output the overall average score for any given game.
  - By extension: Categorize said scores into positive, mixed & negative ranges.
3. Prompt for the user to create a new review with.
  - New review should then be added to the existing list of reviews and the overall average score for the game recalculated.



# Demo Time

Pretend that's java (and not python)

```
→ python_intro python my_first_script.py  
Hello World!  
→ python_intro
```

← →

my\_first\_script.py ×

my\_first\_script.py

```
1 print('Hello World!')
```

# OOP Principles & Implementation

## Abstraction:

- AudienceReview & UserReview inherit protected fields from ReviewAbstract.

## Encapsulation:

- Back-end fields are given private access modifiers.
  - Prevents unwanted access to data.

## Event Driven Programming:

- GameReviewForum & Driver implement event listeners & sources for the GUI.
  - Scroll functionality = A.
  - Review generation
  - User 'Create a Review' textboxes = B.
  - Buttons = C.





# What Did We Learn?

- **Communication is Key.**
  - *"A chain is only as strong as its weakest link"*  
- Sun Tzu in *Spy Kids 3D* (ca.2003)
  - As decent as our program turned out, we had a few **significant** hiccups throughout the project as a result of ineffective communication.
    - **Tldr:** we worked on the same classes incidentally and ended up committing changes that undid the work of each other ~2 times.
  - Thankfully, before thanksgiving break we agreed to spam our group chat as a heads up for each of us to prevent the same issue from occurring (**it worked**)
- **Hypothetically, how would we continue?**
  - Though the forum is functional, we were unable to implement a method to verify Student ID.
  - The Rollins Video Game Forum would need to be revised to function within a browser's web page.