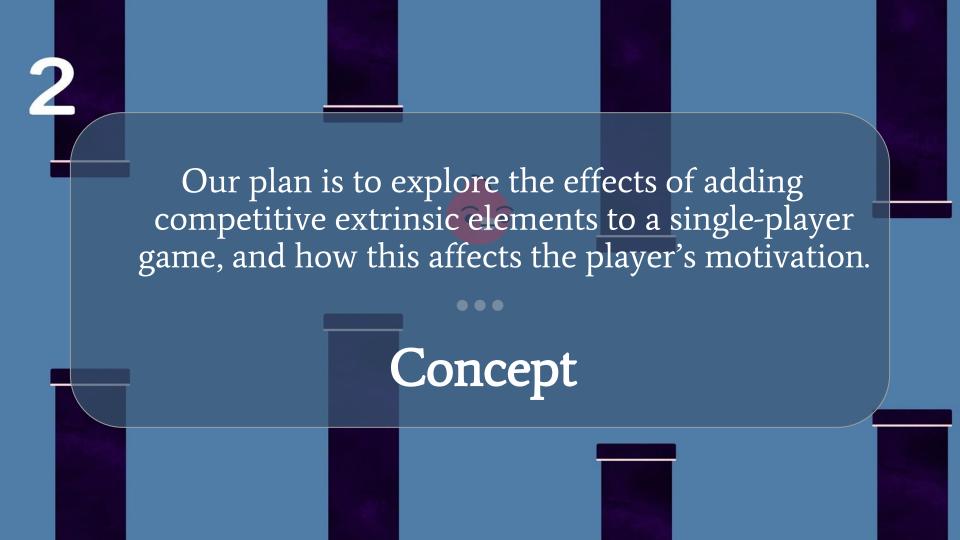
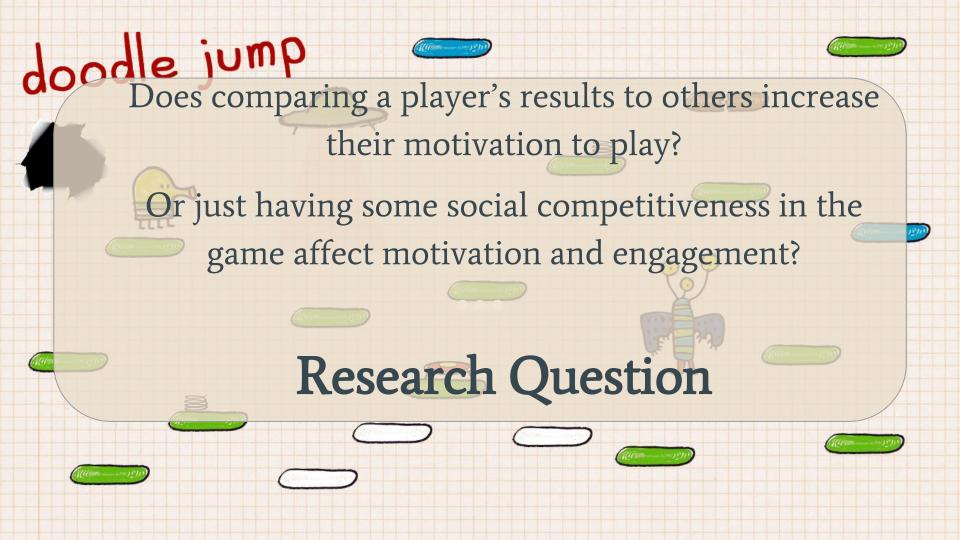


Doodlebird Research Project

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Methodology

Game Used: Doodlebird (Flappy Bird)

Data Collection Tool: Unity generated csv, Google Forms

Analysis Tool: Excel, Google Sheets

Test Plan

Players will be given a pre-demographic survey

The test will be broken down into 2 separate playtest sessions:

- 1. The game will only track the player's current high score
- 2. The game will feature a multiplayer scoreboard including other players' scores

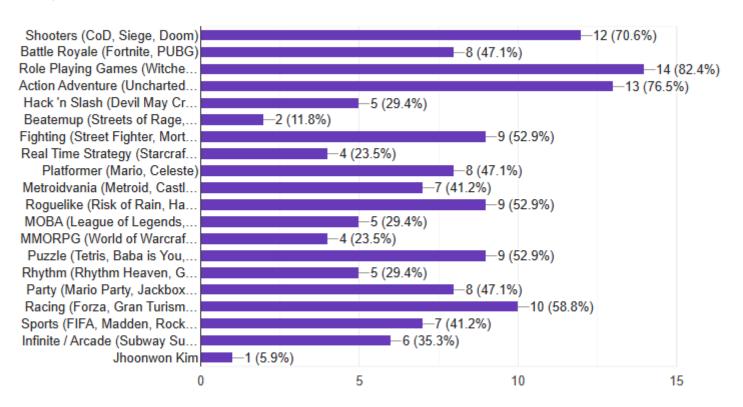
There will be a post-game survey at the end of each playtest session

Gamer Demographic

Why do you play video games? (Select all that apply). Copy 17 responses -13 (76.5%) To hang out with friends. To compete with others. 8 (47.1%) To relax. -16 (94.1%) -10 (58.8%) To overcome a challenge. To experience a story or narrati... -16 (94.1%) To explore and experiment with... -12 (70.6%) Thrill, fast-paced gameplay -7 (41.2%) To try various strategy and tactics 9 (52.9%) To collect items and collectables 9 (52.9%) Be the most powerful in game/... 4 (23.5%) To have fun and disconnect —1 (5.9%) 10 15 20



17 responses



Results (Trial 1)

Results (Trial 2)

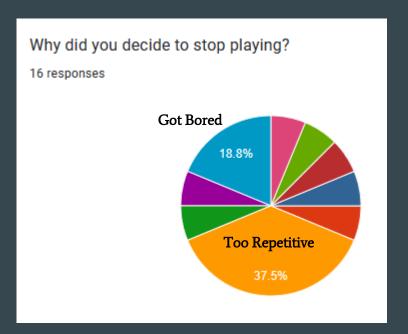


Results (Trial 1)

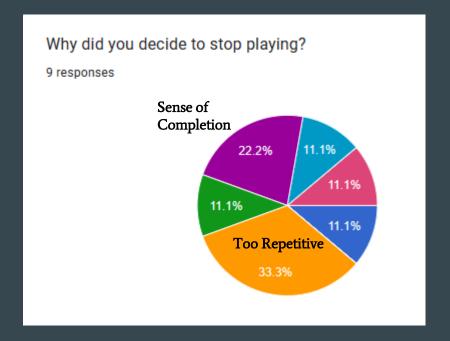
Results (Trial 2)



Results (Trial 1)



(Trial 2)



• My focus is on **my score** all the time. There is no need to compete with others before I feel good about myself.

- I saw some people that I knew and that made me try even harder. Just to prove that I'm better at this **than them**.
- Because a good feeling is always trying to better yourself but the better feeling is to try score better **than people you know**.
- So hopefully **they'll** see my name in the leaderboard and try to **beat my score**.
- I like **winning**. I like being on top.

Conclusion

- In a single-player game, the scoreboard added purpose to the game (social, achievement)
- Players felt more confident overall when they had access to other players' high scores
- Players found the game being more enjoyable despite there were no additional features added for trail 2 version of game

Limitation

- Recruitment was done via convenience sampling, our participant group may be biased
- Limited time for multiple iterations of our research
- Limited sample sizes
- Gender bias (majority participants are male)
- Players all had prior experience with our choice of game, which may impact their engagement