Contextualization/Design Check-In

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Overview

O1 Product Design

02 Artifacts

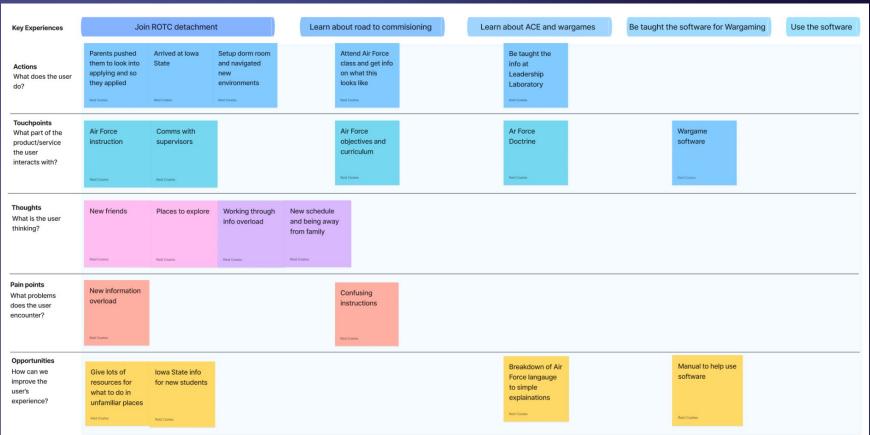
03 Human Aspects

04 Economic Factors

05 Technical Justifications

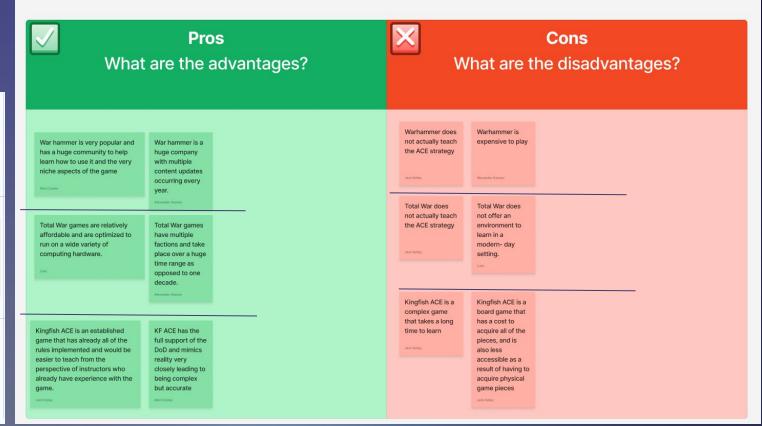
06 Conclusion

Artifact: Journey Map for AFROTC



Artifact: Pros and Cons for market alternatives

Our current solution vs. researched alternatives





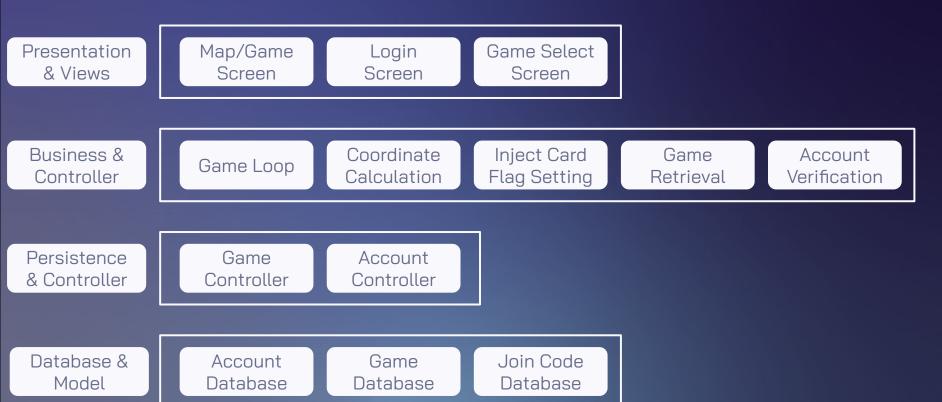


KINGFISH ACE

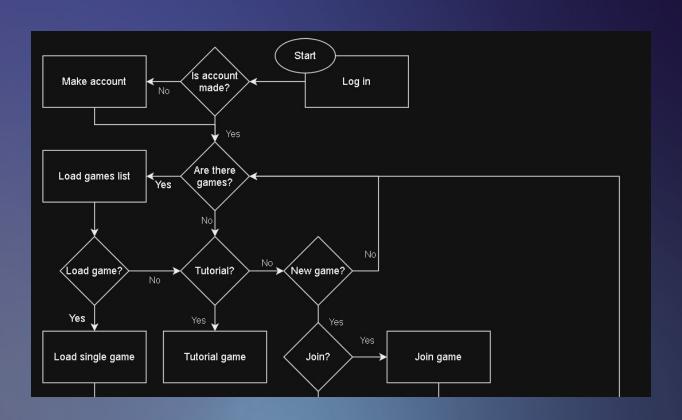


TOTAL WAR

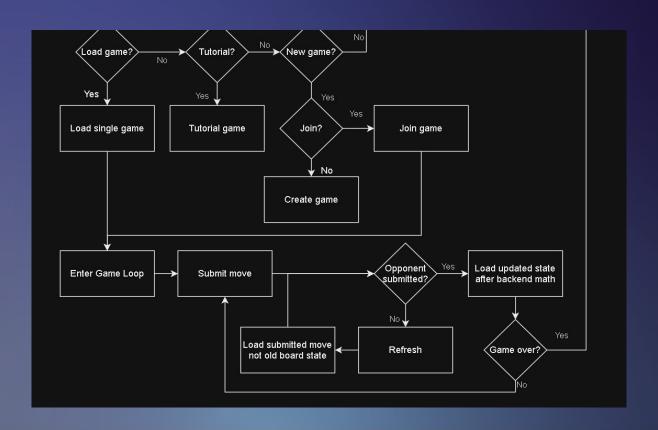
Artifact: Design Visuals (MVC / Layered Design)



Artifact: Functionality (Use Case Pt 1)

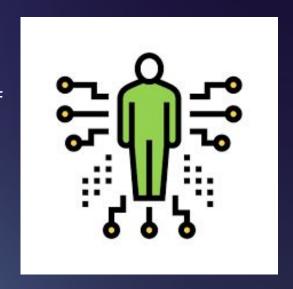


Artifact: Functionality (Use Case Pt 2)



Human Aspects

- Consider the information overload and confusion experienced by users in war games.
- We can Improve user experience by making a set of instructions and simple buttons for navigating the player's assets and controls.
- Breaking down the Air Force acronyms would enhance the solution's usability.



Economic Factors

- Cost savings compared to board games like
 Warhammer and Kingfish ACE; no need for purchase of physical game pieces.
- Drawback: future updates must be made by an engineer. This is justifiable because the the nature of the software must be complex in order for the game to benefit its users.



 Smaller costs associated with maintenance of the physical hardware that holds the database in future years; plan is to host the backend system on a Raspberry Pi as opposed to a VM

Technical Justifications

Using layered design and frontend/backend uses skills taught in previous classes. We have expanded by adding security ideas taught in our design classes and by taking a physical experience and turning it digital which uses the skills taught by completing assignments and projects after finding our own constraints.

Conclusion

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