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Milestone #2: Venture Solution Prototype & Social Affordances

7/16/2023

150 Possible Points

Attempt 1 ▾	⊙ **IN PROGRESS** Next Up: Submit Assignment	🗨 Add Comment

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Unlimited Attempts Allowed
6/26/2023 to 7/16/2023

⌄ **Details**

Milestone #2: Venture Solution Prototype & Social Affordances

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MGT 5824

Assignment Overview: The objective of this assignment is to guide you through the process of designing low fidelity prototypes incorporating social and technological affordances and an AI 'technology stack.'

Assignment Objectives:

- Design an AI-powered technology stack
- Generate social and technological affordances into the prototype
- Create a low fidelity prototype

Instructions:

- You will work on this assignment extending the material you have developed in Milestone One. The primary task is to develop a low fidelity prototype
- The next step will be to identify and design the critical social and technological affordances into the prototype
- The final step will be to design the AI-powered technology stack
- If you are working on a team, each person will conduct a unique low fidelity prototype with different technological and social affordances.
- Unfortunately, no late submissions can be accepted so please make sure you have completed your work and submitted the analysis before the assigned deadline.

Submit Assignment

Overview:

In this assignment, you are required to design a low-fidelity prototype of an AI product or service that could be brought to market, engage in a detailed discussion of the social and technological affordances of your design, and develop detailed schematics of the AI technology stack that would be necessary to build your product or service. This assignment is worth 150 points and is expected to take between 15-20 hours of work to complete.

Components:

1. Low-Fidelity Prototype (50 points):
Develop a low-fidelity prototype of your AI product or service. This can be in the form of sketches, wireframes, or storyboards that communicate the basic structure and components of your design.

- Sketch/Wireframe (15 points)
    - Clarity and clean presentation.
    - Clear labeling of elements.
    - Depicts main features of the product/service.

- User Flow/Storyboard (10 points)
    - Depicts how users would interact with the product/service.
    - Clear flow with logical progression.
    - Highlights how AI is utilized.

- Description (25 points)
    - Detailed explanation of the product/service.
    - Clearly articulate how AI is integrated and what problems it solves.
    - Include potential users and use cases.

2. Social and Technological Affordances (50 points):
Discuss the social and technological affordances of your design. This discussion should consider how users would interact with the product, the potential social implications of your design, and how your design makes use of current technology.

- User Interaction (15 points)
    - Discuss how users will interact with your product/service.
    - Consider user experience and accessibility.

- Social Implications (20 points)
    - Evaluate the potential social impacts and ethical considerations.
    - Include potential benefits and risks.

- Technological Affordances (15 points)
    - Discuss how your design utilizes current technologies.

Submit Assignment

3. AI Technology Stack Schematics (50 points):

Create a detailed schematic of the AI technology stack that would be necessary to build your product or service. This should include the hardware, software, data, and algorithms necessary for your design.

- Hardware and Infrastructure (10 points)
    - List and describe the hardware components needed.
    - Include cloud services if applicable.

- Software (15 points)
    - List the software components and tools necessary.
    - Include programming languages and frameworks.

- Data (10 points)
    - Describe the data that will be used or generated.
    - Discuss data collection, processing, and storage.

- Algorithms (15 points)
    - Describe the AI algorithms and models that will be used.
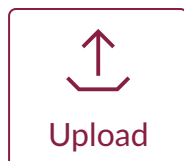   - Include any training processes if applicable.

Submission:

Compile all the above components into a single document or presentation. It should be well-organized, with each section clearly labeled. Include visual elements where appropriate, especially in the prototype and schematic sections. You will then create a 10 minute (or less) presentation on Flipgrid to discuss your prototype

Grading Rubric:
- Low-Fidelity Prototype: 50 points
- Social and Technological Affordances: 50 points
- AI Technology Stack Schematics: 50 points

Total: 150 points

Choose a submission type

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