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Connecting Adults and Children Remotely through Digital Storybooks

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Connecting Through Digital Storybooks
Spring 2019: HCI 598
Iowa State University

MILESTONE 1: MY IDEA

Inspired by my 18 months of travel and involvement with expatriates, I focused on designing a system that would help adults connect with loved ones and their children remotely.

MILESTONE 2: UNDERSTANDING THE PROBLEM
end of the line. Combined with timezone coordination issues and varying tech literacy, the current solution of various video chat applications proved to have its issues.

Basing my design in the current solution of video chat, I propose incorporating digital storybooks to help increase the engagement level of the child. Using a system that helps the target users record a video or even live chat while reading a storybook, the pain points of engagement, timezone issues, and varying tech literacy could hopefully all be accommodated.
MILESTONE 4: THE (FIRST) PROTOTYPE

Initially, I utilized the wireframing tool Whimsical to create a low-fidelity prototype of the video recording flow. Relying on simplicity while focusing on main functions, the wireframe provided a solid
MILESTONE 5: THE EVALUATION

Conducting unmoderated, remote usability tests, I decided to increase the fidelity of my prototype to compensate for the lack of moderation. Asking participants to complete three goal-related tasks, I obtained quantitative data through a post-task SEQ and a post-test SUS. Receiving positive comments from users about the potential of the concept, task completion data revealed that the biggest usability gains would most likely come from a clearer task flow and interface simplification.

Clickable High-Fidelity Prototype
Self-Reported Task Completion  Actual Task Completion