Hci Lab 2 Homework

*Select 3 POVs that you find most compelling.*

* POV 1:

We met Mario, and we were amazed to realize that although he prays on time, he often forgets his azkar. It would be game-changing to have notifications that remind him immediately after each prayer, helping him track his azkar without guilt.

* POV 2:

We met Nidal, and we were amazed to realize that as a working student, he struggles with laziness and procrastination around wuduu and prayer. It would be game-changing to offer a motivating reminder system for prayer times, so he can establish a consistent routine.

* POV 3:

We met Essam, and we were amazed to realize that despite being a busy learner, he frequently loses track of his last Quran reading position. It would be game-changing to provide him with a personalized tracker and timely reminders, ensuring he can smoothly continue his recitation and foster consistent spiritual growth.

*Generate 2 “How Might We” (HMW) statements for each of your POVs. Select the 3 best HMWs*

POV 1 HMW:

1. HMW design a smooth and engaging notification system that reminds Mario of prayer times and post-prayer azkar without being disturbing?
2. HMW provide Mario with immediate, simple tools to complete azkar right after prayer so he doesn’t forget or lose motivation?

POV 2 HMW:

1. HMW help Nidal overcome laziness and perform wudu and prayer on time by providing engaging reminders and simple steps?
2. HMW reduce the obstacles between Nidal’s daily tasks and prayer time, allowing for a seamless transition while maintaining his motivation?

POV 3 HMW:

1. HMW offer Essam a Quran reading tracker that automatically bookmarks his position and notifies him of the next reading session?
2. HMW help Essam stay motivated by providing personalized feedback and suggestions for his Quran recitation and prayer routine?

BEST HMWs:

1. HMW design a smooth and engaging notification system that alerts for prayer times and post-prayer azkar without being disturbing?
2. HMW offer an intuitive Quran reading tracker that automatically bookmarks the user’s position and notifies them of the next reading session?
3. HMW reduce the obstacles between daily tasks and prayer time so users can transition smoothly and stay motivated?

*Brainstorm on how to solve your HMW questions. Try to think of at least 2 solutions per the best HMWs*

HMW 1:

“How might we design a smooth and engaging notification system that alerts for prayer times and post-prayer azkar without being disturbing?”

1. Create a multi-layer notification system using gentle phone vibrations or lock-screen pop-ups that trigger at prayer time and post-prayer, providing a one-tap option to start azkar tracking.
2. Implement a smart scheduling feature that syncs with the user’s calendar, automatically reserving prayer and azkar time slots while displaying a quick azkar checklist right after prayer.

HMW #2

“How might we offer an intuitive Quran reading tracker that automatically bookmarks the user’s position and notifies them of the next reading session?”

1. Create a digital bookmark system that highlights the last ayah read, and each time the user opens the Quran feature, it jumps directly to that ayah. A push notification could show a snippet or reflection from the next ayah to entice them back.
2. Provide a daily reading goal with a progress bar that updates as users complete verses or pages. The app could send reminders when they fall behind and celebrate milestones when they stay consistent.

HMW #3

“How might we reduce the obstacles between daily tasks and prayer time so users can transition smoothly and stay motivated?”

1. Integrate a “Quick Wudu Guide” with reminders and motivational messages. Right before prayer, the app pops up a short motivational video or a reward-based prompt (e.g., “You’re 1 prayer away from maintaining your streak!”).
2. Offer a smart routine builder that ties prayer times to the user’s daily schedule. For instance, if it’s near lunchtime, the app suggests preparing for wudu and sets a countdown that helps them mentally transition from work to prayer.

*Select the top 3 best solutions*

1. Multi-layer Notification System + Post-Prayer Azkar Button

* Combines subtle notifications with an immediate “Azkar Mode” once prayer is completed.

1. Digital Bookmark with Personalized Reflections

* Automatically saves the last ayah, nudges users with small reflections, and offers a progress bar to motivate continuous reading.

1. Smart Routine Builder for Prayer Transitions

* Minimizes excuses by tying prayer reminders to daily tasks, offering quick wudu prompts and motivational nudges right before prayer.