**AI-Based Adaptive Human Computer Interaction**

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Human Computer Interaction adjustments historically were performed during the design phase of a system’s lifecycle. We now expect systems to learn and adapt to us as we use them. This document outlines the steps necessary to complete an assignment related to identifying a system and finding a way to make it adapt in some way during runtime. Ideally, that adaptation would involve artificial intelligence, but that is not required.

# General Instructions

After reviewing the lecture, create an adaptive system. Start by locating or creating a system to change. The system need not be complex. The requirement is to have a system that a user interacts with somehow. Adjust the behavior of that system based on the user’s interactions. Ensure that you document the system which you started from, or that you created the entire system yourself. If you utilize AI-based tools, like GitHub copilot, ensure you document the elements which were created using those tools.

Make certain your source code is stored or exported to a GitHub repository and that your instructor has access to that repository (and knows its name). Additionally, submit your source code in an archive file (ZIP) when you submit the report. Document the process of creating the bot in a report. The report should be 5-7 pages of content and should include a title and references page using APA format. Document any challenges you encountered and mitigation strategies you utilized. Ensure you define AI-based adaptive human-computer interaction.

When you submit your Word document, ensure you include a ZIP file containing the source code, along with the URL of your GitHub repository. Your document should be five to seven pages and in APA format (not counting title and reference pages). The report should describe your experience, including the selection of an existing sample and what modifications you made, along with what you learned.

# Conclusion

This document outlines the steps to create and submit a project report and source code for an AI-based adaptive system. If you have questions about this assignment, please ask your instructor.