# CSC-284 Initial Topic Selection

Name: Nadia Brandl

Proposed Topic: Home Automation Systems, with a concentration on Apple HomeKit, Google Nest Hub, and Amazon Echo.

Please write an explanation of your reason for choosing your proposed topic:

The reason I have chosen this topic, is that I feel there are many uses to home automation systems that aren’t well know. I have been very interested in making my home a smart home, but there are several home hubs out there, and not all work well with the different smart home products flooding the market.

In this research project, I intend to compare 3 different home automation systems: Apple HomeKit, Google Nest Hub, and Amazon Echo. I feel these are probably the top 3 in the market, making them worthy of comparison one to another.. In my research I will delve a bit into how these 3 hubs work and interact with the different smart home products. I will also list the devices that pair nicely with these hubs and how user friendly they are.

To confirm that you will have enough information to complete your Final Paper and Presentation, please do some “Pre-Search” (Pre-Research) and provide justification that there is substantial information available on the topic you have selected. List some sources of information that you have found:

[What Is a Smart Home Hub (And Do You Need One)? | PCMag](https://www.pcmag.com/news/what-is-a-smart-home-hub-and-do-you-need-one)

[How Does Home Automation Work? The Complete Guide (elementsmartcontrol.com)](https://elementsmartcontrol.com/how-home-automation-works/)

[​Apple HomeKit: Everything you need to know about living in an Apple Home (the-ambient.com)](https://www.the-ambient.com/guides/apple-homekit-complete-guide-194)

[What Is Google Nest and How Does it Work? (lifewire.com)](https://www.lifewire.com/nest-home-automation-products-4159765)

[Up To Date List of Amazon Echo and Echo Dot Compatible Devices – July 2020 (techjunkie.com)](https://www.techjunkie.com/amazon-echo-compatible-devices/)

[Different Technologies Used in Home Automation - A Review and Comparison (ijert.org)](https://www.ijert.org/research/different-technologies-used-in-home-automation-a-review-and-comparison-IJERTV3IS20118.pdf)

[List of home automation software - Wikipedia](https://en.wikipedia.org/wiki/List_of_home_automation_software)