

NFC Task Manager: Schema & Diagrams

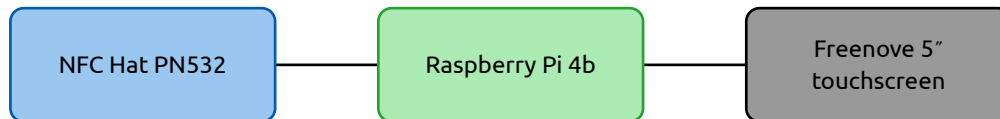
NFC Task Manager is a raspberry pi and mobile hybrid project. It combines the use of a Raspberry Pi machine and a mobile phone app to create a desk task manager machine. The tasks can be created on the mobile app. They hold a title, a priority level, a due date and a description. They can then be transferred to the Raspberry Pi through NFC and displayed on the machine. The machine will have a list which can be navigated through, once a task is done, the user can remove it from the active list.

Raspberry Pi Schema

Half of the project is built on a Raspberry Pi. This half is itself split in two parts: the hardware and the software. The hardware is a touchscreen device that displays the tasks that were transferred to the device from the app. The software connects takes the tasks and displays them and has different filters to make it easier to find the task in question.

Hardware

The hardware is made of three components, a Raspberry Pi 4b with 2GB of Ram, a NFC Hat PN532, and a Freenove 5" touchscreen.



Include picture of the machine

Software

The software of the machine does a few things: receive tasks through NFC, display active tasks, filter tasks, delete tasks when done.