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## **Work Progress Report**

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## **Introduction**

This report outlines the work conducted on the **Aby Inventory** system and **AbyRide** app, focusing on integrating hardware functionality and converting AbyRide into a Progressive Web App (PWA) for installation on devices.

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## **Task Focus:**

- Connecting printers to Aby Inventory
  - Converting AbyRide into a Progressive Web App (PWA)
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## **What Was Done**

- Integrated printer functionality with **Aby Inventory**, enabling direct printing of receipts and reports from the system.
  - Tested and resolved communication issues between the application and connected printers.
  - Worked on **AbyRide** to make it a Progressive Web App (PWA), allowing users to install it on mobile devices.
  - Implemented service workers and manifest files to support offline usage and installation.
  - Conducted testing on multiple devices to ensure smooth installation and functionality of the PWA.
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### **Current Status**

- Printer integration in Aby Inventory is functional and stable.
  - AbyRide PWA is partially functional; installation works, but some minor offline features still need refinement.
  - Further optimizations are required for consistent behavior across all devices.
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### **Next Steps**

- Complete remaining offline features and caching strategies for AbyRide PWA.
  - Perform more extensive device testing for both Aby Inventory printer integration and AbyRide installation.
  - Optimize user experience and ensure error handling is robust.
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### **Summary**

The day's work focused on enhancing **Aby Inventory** with printer connectivity and improving **AbyRide** by converting it into a PWA. These updates improve usability, allow offline access, and enable direct installation on mobile devices, making both systems more efficient and user-friendly.