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CSTP 2204

**Report: Developing a Home Care Nurse Efficiency Improvement Product**

**1. Introduction**

The purpose of this report is to outline the development of a product aimed at improving the efficiency and quality of life for home care nurses. The product's primary goal is to provide a better way to collect patient data and reduce the workload for nurses. This report will detail the target users, the problem the product aims to solve, and assumptions made during the planning process.

**2. Product Overview**

a) **Explain the goal of the product in one sentence or paragraph:**

The goal of this product is to improve the efficiency and quality of life for home care nurses by creating a better way to collect patient data and reducing the workload for nurses.

b) **Who are the users of the product:**

The primary users of this product are home care nurses.

c) **Problem Overview - What problem is the product going to solve:**

The core problem this product aims to solve is the reduction of medication errors during the administration of medication by home care nurses. Additionally, from a management perspective, the product will facilitate better tracking of nurse locations, leading to improved time management and process optimization.

**3. Market Research**

d) **Research the market for similar (competition) and document their features:**

**Feature Matrix with Competitor Analysis**

|  |  |  |  |
| --- | --- | --- | --- |
| Features | WeCare  Home Support Services | AddCare | AlayaCare |
| Dashboard for management | Yes | Yes | Yes |
| Patient Care Plan Management | Yes | Yes | Yes |
| Vital Sign Assessment | Yes | Yes | Yes |
| Medication Monitoring | Yes | Yes | Yes |
| Order Medication and Supplies | yes | No | Yes |
| Print Out Patient’s Report | Yes | Yes | No |
| Chart Image for Patient’s Vital Sign | Yes | No | No |
| Billing and Payroll | No | Yes | Yes |
| GPS Time Tracking | Yes | Yes | No |
| Traveling Mileage Log | Yes | No | No |

**4. Assumptions**

e) **Assumptions:**

One key assumption is that doctors will initiate contact on behalf of their patients, providing medical prescriptions. This assumption forms the basis for developing the patient care plan through our product.

**5. Conclusion**

In conclusion, the development of a product aimed at improving the efficiency and quality of life for home care nurses is an essential step in addressing the challenges faced in the healthcare industry. While we have outlined the product's goals, identified users, and specified the problem it aims to solve, ongoing market research will provide crucial insights to further refine our product.

This report serves as an initial overview of our project, and as we progress, we will continue to update and expand upon these findings. The aim is to create a valuable and effective solution that benefits home care nurses, patients, and the healthcare system as a whole.