

Product Requirements Document (PRD)

CampusPrint

1. Problem Statement

Students waste significant time waiting in queues at campus print shops. The process is manual, inefficient, and problematic during deadlines. CampusPrint digitizes print requests by allowing students to upload PDFs, pay upfront, and collect prints the next day within campus.

2. Objectives

- Reduce waiting time for students
- Streamline print order management
- Enable clear print instructions
- Ensure upfront payment
- Provide frictionless student experience without authentication

3. Target Users

Primary Users: College Students

Secondary Users: Campus Print Shop Administrators

4. Scope

In Scope: PDF upload, print configuration, upfront payment, admin dashboard, campus pickup

Out of Scope: Home delivery, binding, student authentication, price negotiation

5. User Experience Overview

Student Flow: Upload PDF → Choose print options → Add instructions → Pay → Receive Order ID → Collect next day

Admin Flow: Login → View orders → Download PDF → Print → Update status → Mark collected

6. Functional Requirements

Student Website:

- PDF upload (max 20MB)
- Basic student details
- Print options (color/B&W, sides, copies)
- Print instructions field
- Page count detection
- Upfront payment
- Order confirmation with Order ID

Admin Dashboard:

- Secure login
- View & filter orders
- Download PDFs
- View instructions clearly
- Update order status

- Daily summary (optional)

7. Data Model

Each order stores student details, PDF link, print options, instructions, page count, payment status, order status, and timestamps.

8. Pricing Logic

Pricing is fixed and admin-defined (e.g., ■2/page B&W;, ■5/page color). Page count is auto-detected and final price is shown before payment.

9. Non-Functional Requirements

Security: Private PDF storage, admin-only access

Performance: Fast uploads and dashboard load

Scalability: Up to 500 orders/day

Reliability: Orders created only after payment success

10. Constraints & Assumptions

Campus-only pickup, next-day printing, fixed pricing, internet access available, print-ready PDFs assumed.

11. Success Metrics

Reduced wait times, number of daily orders, payment success rate, zero lost orders.

12. Future Enhancements

Notifications, QR-based pickup, analytics dashboard, multiple print centers.

13. Release Plan

Phase 1: Core system

Phase 2: Payment integration

Phase 3: Notifications and analytics