**Hackathon Submission Report – Governor Initiative Template 8**

**Project Name: Comforty Marketplace Builder Hackathon 2025**

**Name: Wajid Ali**

**Student ID: 199348**

**Day 1 – Laying the Foundation for Your Marketplace**

**Objective:**

* Define business goals and data schema using brainstorming techniques.
* Use paper and pencil for initial planning.
* Encourage group discussions while ensuring individual submissions.

📌 [**Day 1 Document**](https://github.com/panaverse/learn-nextjs/blob/main/HACKATHONS/Marketplace_Builder_Hackathon_2025/Day1_Laying_the_Foundation_for_Your_Marketplace_Journey.pdf)

**Day 2 – Planning the Technical Foundation**

**Objective:**

* Define technical architecture and functionalities.
* No prior coding experience required—focus on high-level planning.

📌 [**Day 2 Document**](https://github.com/panaverse/learn-nextjs/blob/main/HACKATHONS/Marketplace_Builder_Hackathon_2025/Day2_Planning_the_Technical_Foundation.pdf)

**Day 3 – API Integration and Data Migration**

**Objective:**

* Integrate APIs and migrate data into Sanity CMS.
* Ensure proper API token generation and environment configuration.

**Steps to Integrate and Migrate Data to Sanity:**

1. **Create a Project in Sanity**
   * Sign up on Sanity and create a new project.
2. **Install Sanity CLI**
   * Use npm install -g @sanity/cli.
3. **Generate an API Token**
   * Navigate to the API section in the Sanity dashboard and generate a new token.
4. **Set Up Environment Variables**
   * Create a .env.local file and add project credentials.
5. **Define Product Schema**
   * Create sanity/schemaTypes/product.ts.
6. **Implement Data Migration Script**
   * Write migrate.mjs for API data migration.
7. **Run Migration Script**
   * Execute node migrate.mjs to migrate data.
8. **Verify Migration in Sanity Studio**
   * Open http://localhost:3000/studio and confirm successful data import.

📌 [**Day 3 Document**](https://github.com/panaverse/learn-nextjs/blob/main/HACKATHONS/Marketplace_Builder_Hackathon_2025/Day_3_API_Integration_and_Data_Migration.pdf) 📌 [**Day 3 Checklist**](https://github.com/panaverse/learn-nextjs/blob/main/HACKATHONS/Marketplace_Builder_Hackathon_2025/Self_Validation_Checklist_for_Day_1_and_Day_2.pdf)

📸 **Screenshots:** ✅ **migrate.mjs** (Data Migration Script) ✅ **.env.local** (Environment Variables) ✅ **.gitignore** (Ignored Files Configuration) ✅ **next.config.ts** (Next.js Config) ✅ **components.json** (ShadCN UI Config) ✅ **.eslintrc.json** (Linting Rules) ✅ **next-env.d.ts** (TypeScript Definitions)

**Day 4 – Building Dynamic Frontend Components**

**Objective:**

* Develop UI components for the marketplace.
* Ensure adaptability for dynamic data integration.

📌 [**Day 4 Document**](https://github.com/panaverse/learn-nextjs/blob/main/HACKATHONS/Marketplace_Builder_Hackathon_2025/Day_4_Building_Dynamic_Frontend_Components_for_Your_Marketplace.pdf)

**Day 5 – Testing, Error Handling, and Backend Refinement**

**Objective:**

* Perform functional and non-functional testing.
* Document successful and failed test cases.

📌 [**Day 5 Document**](https://github.com/panaverse/learn-nextjs/blob/main/HACKATHONS/Marketplace_Builder_Hackathon_2025/Day_5_Testing_Error_Handling_and_Backend_Integration_Refinement.pdf) 📌 [**Testing Report Sample**](https://github.com/panaverse/learn-nextjs/blob/main/HACKATHONS/Marketplace_Builder_Hackathon_2025/Testing_Report_Sample.csv)

**Day 6 – Deployment Preparation and Staging**

**Objective:**

* Deploy marketplace in a staging environment.
* Ensure proper documentation and test reports.

📌 [**Day 6 Document**](https://github.com/panaverse/learn-nextjs/blob/main/HACKATHONS/Marketplace_Builder_Hackathon_2025/Day_6_Deployment_Preparation_and_Staging_Environment_Setup.pdf) 📌 [**Submission Link**](https://forms.gle/nA5Lv867KpaV659r7) 📌 **Deadline: January 22, 2025, 11:59 AM**

**Day 7 – Final Submission**

**Objective:**

* Finalize and submit all hackathon work.
* Acknowledge mentors, teaching assistants, and leadership.

📌 **Submission Deadline: February 8, 2025**

**Next Steps:**

* Prepare for the next phase: AI Agents for Business Development.
* Focus on learning Python during the break.

🎉 **Thank You for This Learning Journey!**