# Hackathon Project Plan – Cross-Cohort Hackathon | 13th May 2025

## Team Information

Team Name: Hack Masters - Team 3

Team Lead: Adrina Colaco (RMC), Prathyusha K (RMC)

Trainer: Sandhya Gaikwad

Team Members: 10+ members (roles assigned below)

**1. Problem Statement**

**To create an E-commerce Product Page**

## 2. Objective

## To create an E-commerce Product Page with an option to browse and shop for products.

The focus is to build an MVP demonstrating a working solution within the 3-hour.

Key functionalities will be

* Products Displaying in tabular format with images
* Ability to filter the products
* Ability to add the selected products to a cart
* Option to place the order/buy(Payment gateway not included)

## 2. Team Roles & Responsibilities

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| --- | --- | --- |
| **Name** | **Role** | **Responsibility** |
| **Adrina Colaco** | Team Lead / Backend | Coordination, API development, and database logic |
| **Prathyusha** | Team Lead / Testing | Coordination, Documentation, UAT |
| **Darshan, Ebrahim** | Frontend | UI/UX, forms, visual components using HTML, CSS |
| **Jaee** | Backend | JavaScript |
| **Yash, Amar, Anushka** | Cloud Engineer | AWS deployment, S3 setup |
| **Pratyusha, Anushka** | Documentation Lead | Architecture, development notes, Consolidation of Screenshots |
| **Adrina, Hitesh, Samruddhi** | QA Tester | Testing, debugging |
| **[Member 0]** | Support roles(Optional) | As per need: coding, troubleshooting, UI support |

## 3. Tech Stack (Flexible)

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| --- | --- |
| **Component** | **Tech** |
| Frontend | HTML, CSS |
| Backend | JavaScript |
| Cloud | AWS - S3 |
| Tools | GitHub, Draw.io (for architecture) |

## 4. Hackathon Timeline (3-Hour Plan)

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| **Time Slot** | **Activity** |
| 10:45 – 10:50 AM | Problem Statement Review & Task Understanding |
| 10:50 – 11:00 AM | Brainstorming, Role Assignment, Tech Stack Finalization |
| 11:00 – 12:00 PM | Development Phase: Backend, Frontend, AWS setup in parallel |
| 12:00 – 12:45 PM | Integration, Testing, Fixing Bugs |
| 12:45 – 1:15 PM | Documentation: Architecture, Process, Deployment Steps |
| 1:15 – 1:30 PM | Final Touches, Submission, Internal Demo Check |

## 5. Deliverables

* Application Architecture Diagram (created via Draw.io)
* Development Process Documentation (steps, tools, flow)
* Deployment Steps on AWS (screenshots or step-by-step notes)
* GitHub Repository (clean code with README)

## 6. Risk Management

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| --- | --- |
| **Risk** | **Action** |
| AWS deployment delay | Use basic S3 to avoid complexity |
| Integration bugs | Early testing and modular development |
| Time constraints | Focus only on MVP, leave stretch goals for later |

## 7. Presentation Points (If applicable)

* Quick intro of the problem and solution
* Live demo (if possible)
* Overview of architecture and deployment
* Key challenges and team learnings