Intro (Mira)

Remember when your mom would hand you a small list and say, "Rouh 3a l dekene w jeeb hal ghrad"? You'd run to the neighborhood dekene, that tiny store down the street with everything from labneh to lentils, and maybe even a snack for the way back. We all grew up with that. We lived it. The dekene wasn't just a store, it was part of the neighborhood, part of our childhood. But today, grocery shopping isn't always that simple. You plan a meal, head to the store — and suddenly, the ingredients you need aren't there. No organic herbs. No lactose-free options. The item you use every week? Out of stock. And now you're driving across town, wasting time, juggling different stores just to complete your list. It's frustrating, it's exhausting, and it shouldn't be this hard.

Transition (Rim)

That's where Al Dukkan steps in. At **Al Dukkan**, we're bringing back that familiar experience, the warmth, the simplicity, the reliability, and blending it with the power of technology. We've built a digital version of the dekene where you can always find what you're looking for, from pantry staples to fresh organic produce, all carefully stocked, clearly labeled, and delivered right to your door. No more store-hopping. No more missing ingredients. Just a well-stocked, always-open, modern dekene that fits right into your lifestyle.

Development Process (Maya+Yassine)

Our development journey started with idea generation and prototyping. We sketched out key features, mapped user journeys. These early mockups helped us validate our direction before writing any code. From the beginning, we adopted Extreme Programming (XP), an agile software development methodology that emphasizes flexibility, speed, and collaboration. As a team of five, we split tasks in short development cycles, did pair programming to catch errors early, wrote minimal but testable code, and constantly integrated our changes to avoid merge hell. XP helped us stay on the same page, build momentum, and deliver a working MVP (Minimum Viable Product) within days, not weeks.
With our MVP ready, we are excited to move forward and introduce our website to you.
(scene acc disabled….)
But the road wasn't smooth.That was just **three hours** before our presentation. Our backend was originally built on Firebase. We had everything set up, authentication, Firestore, and cloud functions. Unfortunately, due to a simple oversight ,we didn't verify the Google account we used, we permanently lost access to all Firebase data. It was a major setback. However, instead of giving up, we used it as a turning point. Within a single day, we migrated our entire backend to **Supabase**, an open-source

alternative that gave us more control and transparency. We constructed a new database, this time relying on an **open-source DBMS**, which put the responsibility of maintaining it entirely in our hands — and that was intentional. We wanted to be able to handle problems like data loss ourselves without being completely dependent on third-party services. To further protect against future issues, we followed the principle of **redundancy** by cloning the database to external cloud providers while also maintaining a **local copy**. We rebuilt our database structure from scratch, reconnected it to the frontend, and ensured all critical accounts were verified and secured. In the end, what could have been a disaster became a valuable learning experience that strengthened both our project and our engineering mindset.

The final product includes three key user flows that we demoed during our presentation: browsing and searching products, checking detailed product info and nutritional tags, and completing a checkout with delivery preferences and payment options. We designed everything to feel as fast and frictionless as possible, keeping the user experience clean and intuitive.

Meal Planner (Rim)

Transition: But we didn't stop there.

Ever stare at a random ingredient in your kitchen and think, what do I even make with this?
You remember this amazing dish you had at a restaurant a few weeks ago. So you try to recreate it… but of course, you don't know the recipe, only got the name of the recipe in mind, missing a bunch of ingredients, and now you're just standing there, hungry and confused.
That's why we built the Meal Planner.
You type it into our Meal Planner, and it gives you the full list of ingredients, step-by-step cooking instructions, and the best part? You can add everything you need straight to your cart with one click.
No guessing, no Googling, no missing items. Just type, shop, and cook.

Subscription (Yassine)

We also offer custom subscription packages for every type of shopper.
Whether you're living solo, cooking for a family, or going full organic, there's a box for you.
Just choose your plan, customize what you want, and get fresh groceries delivered right when you need them.
Weekly, bi-weekly, or monthly, all with free delivery, discounts, and even recipe suggestions to help you use what you get.

You can pause or cancel anytime. It's grocery shopping, made effortless

Conclusion (Mira)

This project was more than just writing code — it was about learning how to **engineer software that solves real-world problems**. We gained valuable experience in collaborative programming, writing clear documentation, and understanding the critical importance of redundancy. From idea to delivery, and even during crisis moments like losing our backend, we stayed grounded in our engineering principles. We managed to rebuild and recover our entire system, which highlighted the need for proper backups and disaster planning. We learned how to work under pressure, how to adapt when plans fail, and how to grow — not just as individuals, but as a unified team. Our journey shows that setbacks can become **stepping stones**, and that with collaboration, focus, and methodologies like **Extreme Programming**, we can build great things — even under the tightest deadlines. After all, this is exactly what real **Mouhandisoun** — engineers — must go through: solving problems, facing the unexpected, and pushing forward with resilience and purpose.