

Conclusion

In these coursework, we designed, developed and implemented an Inventory Management System (IMS) for Global Tech Corporation. We jointly contributed towards developing documented papers such as Data Flow Diagrams (DFDs), Entity-Relationship Diagrams (ERDs) and Software Requirements Specifications (SRS), Data Dictionary and Structure Chart. Every team member participated in putting into practice certain features of the system including purchase orders, generation of reports, real-time update of inventory, dispatch orders, payment interfaces etc.

With continuing the progress of coursework, we also faced a lot of difficulties such as initially we had hard time understanding the scenario, new concepts were being brought up and communication gap was built because of regular classes of other modules. Furthermore, it also becomes important to maintain uniformity with the concepts proposed and shared by the different members of the group while at the same time trying to keep to the set structured design.

To overcome this issues, we organized consistent team meetings to clarify issues and ensure everyone remained on the same page. We also followed effective project management strategies such as, making progress logs and assigning tasks. Each team member contributed very actively and offered support to others members on the team, maintaing strong collaboration and a positive team environment.

This coursework offered significant understanding of the fundamentals of organized software engineering, project management, and collaboration. We acquired the skills to efficiently assess and record system requirements, design intricate systems, and handle project risks. The experience further improved our capacity to work collaboratively in a team environment, bolstered our problem-solving abilities, and enriched our comprehension of building scalable and dependable software solutions.