Thanksgiving and Christmas Stores

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Design Document

# Presentation Layer

Our user interface is very sleek and modern. It uses the latest in standards-compliant HTML, ensuring a consistent user experience across all browsers and platforms. Our project also uses Javascript to verify that a user has typed in data, ensuring that no required database entry is null.

# Application Layer

Our program uses server-side scripting with PHP to insert MySQL queries into the database. This PHP also allows us to decide which form the user needs to see next. This allows the program to be dynamic, adapting to the needs of the user and serving them up the most appropriate content for their use.

# Database Layer

We use industry standard MySQL to create a database. This database server is built to ensure that all data is as accurate as possible, with standard error checking statements built into the code. In the name of compatibility however, we used standard SQL for our INSERT statements.

# Tools Used for Project

The primary tool that we used for development was a suite of server applications called XAMPP. XAMPP allowed us to have an easy set up for our server and get it running quickly. To aid in development, we used the source control service GitHub. Our GitHub repository can be found at <https://github.com/DarkDevestation/Main_Project> . (Brandon Forster is brandonforster, Patrick Delva is DarkDevestation.) GitHub allowed us to edit code collaboratively without getting in each other’s way. For simple code writing, we used basic text editors like Notepad++. We then loaded our files onto our server and accessed them with the full range of modern browsers, ensuring compatibility.