



Fast Food Ordering System Using Shell Scripting

This presentation explores the design and implementation of a dynamic food ordering system using shell scripting. We'll delve into key components, user requirements, system architecture, and practical implementation details, showcasing the power of shell scripting in crafting a user-friendly and efficient ordering experience.

Overview of Shell Scripting

Definition

- shell script is a file containing a series of commands for the shell to execute.
- Automates repetitive tasks in Linux/Unix environments.
- Written in scripting languages like **Bash**, **sh**, or other shell interpreters.

Advantages

Shell scripts excel in automating repetitive tasks, enhancing productivity, and simplifying complex processes. They offer flexibility, portability, and integration with system utilities.

Objectives of the Project

1. **Simplify Menu Management:**

- Easy addition, deletion, and viewing of menu items.

2. **Streamline Order Processing:**

- Efficient price calculation and bill generation.
- Real-time updates to order history.

3. **Implement Role-Based Access:**

- **Admin Features:** Manage the menu and review order history.
- **User Features:** Browse menu, place orders, and view bills.



Key Features

1. Role-Based Access:

- Admin: Add, view, or delete menu items; manage order history.
- User: Browse menu, place orders, and calculate bills.

2. Dynamic Menu Management:

- Predefined items and admin-added items.

3. Order History Tracking:

- Records every transaction.

4. Price Calculation Automation:

- Handles predefined and dynamic prices seamlessly.



System Workflow

- **User Flow:**

Login → View Menu → Select Items → Checkout → Bill

- **Admin Flow:**

Login → Manage Menu → View/Modify/Delete → Update System



Benefits of Bash Scripting

- **Lightweight:** Runs on any system with Bash.
- **Customizable:** Easily extended for additional features.
- **Cost-Effective:** Ideal for small-scale businesses.

Conclusion and Next Steps

Conclusion

- Highlight the simplicity and power of Bash scripting for real-world applications.
- Emphasize the flexibility of the system for small businesses.



THANK YOU!

