DAY 7 NAME: MUHAMMED ANAS

ROLL NO: 00051245

TIMING: SAT 9-12AM

Day 7: Go Live Practices for Men's Apparel Marketplace

Objective

The focus of Day 7 is to prepare the Men's Apparel marketplace for live deployment by ensuring a secure, stable, and efficient production environment. This includes production deployment, security measures, disaster recovery planning, and ongoing monitoring and maintenance.

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1. Production Deployment

Environment Setup:

- Configure production environment variables securely.
- Ensure sensitive data such as API keys and database credentials are encrypted and stored securely.

Secure Hosting:

- Use reliable hosting platforms like AWS, Azure, or Vercel.
- Enable HTTPS for all traffic using SSL certificates.

Codebase Management:

- Keep the production repository private to protect trade secrets and sensitive code.
- Maintain separate staging and production repositories for better environment management.
- Document each step of the deployment process for future reference.

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2. Penetration Testing and Security

Penetration Testing:

- Test for vulnerabilities such as SQL injection, XSS, CSRF, and more.
- Utilize security tools like OWASP ZAP or Burp Suite to identify and mitigate risks.
- Prioritize testing in critical areas, including payment systems, authentication, and sensitive data handling.

Data Encryption:

- Encrypt sensitive user data (e.g., passwords, payment details) using strong encryption standards.
- Ensure secure storage and transmission of data.

User Management:

- Implement role-based access control for employees.
- Maintain a separate admin dashboard to restrict admin functionalities from public access.

Periodic Testing:

- Schedule recurring security audits to ensure ongoing protection.

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3. Disaster Recovery (DR) Planning

Backup Strategy:

- Schedule regular backups of databases and key assets.
- Store backups in multiple secure locations to prevent data loss.

DR Environment:

- Create a disaster recovery plan to restore operations in case of failure.
- Periodically test the DR environment to ensure reliability.
- Establish a chain of responsibility for DR implementation.

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4. Monitoring and Maintenance

Monitoring Tools:

- Use tools like Google Analytics, Sentry, and Pingdom for real-time monitoring and issue tracking.

Performance Optimization:

- Regularly monitor site performance and optimize speed and reliability.

Issue Management:

- Maintain a detailed log of bugs and issues for continuous improvement.

Scheduled Maintenance:

- Plan downtime for updates and notify customers in advance.

Checklist for Day 7

- **Deployment Checklist:** ✓
- **Security Checklist:** ✓
- **Post Go Live Checklist:** ✓
- **Business Pitch Deck:** ✓
- **Resume PDF:** ✓