

DAY 7

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TIMING: SAT 9-12 PM

Steps Completed for Day 7:

1. Production Deployment

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Environment Setup:

- - Configured production environment variables securely.
 - Ensured all sensitive data (e.g., API keys, database credentials) is encrypted and stored securely.
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Secure Hosting:

- - Used Vercel as the hosting platform.
 - Enabled HTTPS for all traffic using SSL certificates.
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Codebase Management:

- - Kept the production repository private to protect sensitive code.
 - Separated staging and production repositories for better environment management.
 - Documented each step of the deployment process for future reference.
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2. Penetration Testing and Security

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Penetration Testing:

- - Tested the application for vulnerabilities such as SQL injection, XSS, and CSRF.
 - Used tools like OWASP ZAP to identify and mitigate risks.
 - Prioritized testing on critical areas like payment systems, login authentication, and sensitive data handling.

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Data Encryption:

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

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User Management:

- - Implemented role-based access control for employees.
 - Maintained a separate admin dashboard to avoid exposing admin functionalities to the public.

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Periodic Testing:

- - Scheduled recurring security audits to ensure ongoing protection.

3. Disaster Recovery (DR) Planning

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Backup Strategy:

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

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DR Environment:

- - Created a DR plan to restore operations in case of failure.
 - Tested the DR environment periodically to ensure reliability.

- Established a chain of responsibility for DR implementation.

4. Monitoring and Maintenance

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Monitoring Tools:

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

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Performance Optimization:

- - Regularly monitored site performance and optimized speed and reliability.

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Issue Management:

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

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Scheduled Maintenance:

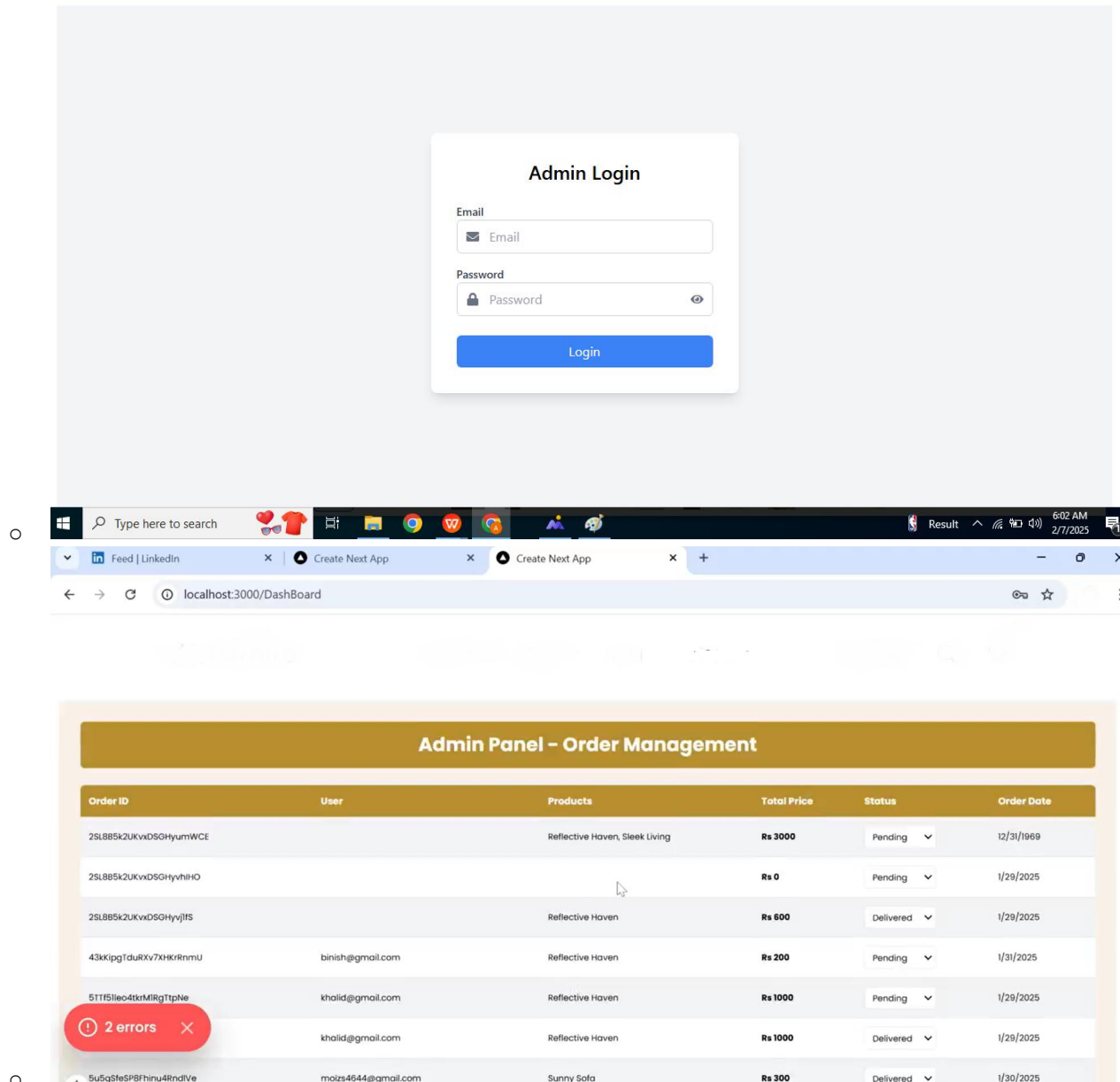
- - Planned downtime for updates and informed customers in advance.

5. Admin Panel Integration

- **Admin Panel Added:**

- Developed and integrated a secure admin panel for managing the marketplace.
- Features include:

- User management (add/edit/delete users).
 - Product management (add/edit/delete products).
 - Order management (view and update orders).
 - Analytics dashboard (monitor sales, traffic, and performance).
- Ensured role-based access control to restrict unauthorized access.
 - Attached a screenshot of the admin panel for reference.



Checklist for Day 7:

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

Remarks:

All tasks for Day 7 have been completed successfully. The application is now live, secure, and optimized for production. The Admin Panel has been integrated to facilitate efficient management of the marketplace. Disaster recovery and monitoring plans are in place to ensure long-term reliability. The business pitch deck and resume PDF are also prepared as part of the final deliverables.