

# My Marketplace: Day 6 Assignment

## Step 1: Hosting Platform Setup

Objective:

Set up a hosting platform for My Marketplace to deploy and test the staging environment.

Steps:

1. Use Vercel for hosting due to its simplicity and integration with GitHub.
2. Connect the GitHub repository for automatic builds and deployments.
3. Validate successful deployment builds in the Vercel dashboard.

Command Example:

```
git init
```

```
git remote add origin https://github.com/username/my-marketplace.git
```

## Step 2: Configure Environment Variables

Objective:

Secure sensitive information using environment variables.

Steps:

1. Create a .env file with the following keys:

```
NEXT_PUBLIC_SANITY_PROJECT_ID=my_project_id
```

```
NEXT_PUBLIC_SANITY_DATASET=production
```

```
API_KEY=my_secure_api_key
```

2. Upload variables securely through Vercel's dashboard.

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## Step 3: Deploy to Staging

Objective:

Deploy My Marketplace to the staging environment.

Steps:

- 1. Trigger the deployment through the Vercel dashboard.
- 2. Verify the staging environment is live and operational.
- 3. Test basic functionality after deployment.

## Step 4: Staging Environment Testing

Objective:

Ensure the application functions as expected in the staging environment.

Testing Types:

- 1. Functional Testing: Validate product listing, cart operations, and search.
- 2. Performance Testing: Use Lighthouse for speed and responsiveness analysis.
- 3. Security Testing: Check input sanitization and HTTPS communication.

Sample Testing Report:

Test Case ID	Description	Steps	Expected Result	Actual Result	Status	Remarks
TC001	Validate Product API	Load product page	Products displayed	Products OK	Passed	Works as expected

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| TC002 | Test Cart Function | Add item to cart | Cart updates | Cart updates | Passed | Functional |

## Step 5: Documentation Updates

Objective:

Prepare professional documentation summarizing deployment and testing efforts.

Deliverables:

1. README.md: Summarizing all six days of activities, including deployment steps and test case results.
2. Structured Repository: Ensure files are organized and named consistently.

Example Structure:

??? documents/

? ??? Day\_1\_Documentation.pdf

? ??? Day\_6\_Staging\_Report.csv

??? src/

??? public/

??? README.md