DCC Course Project: MiniFlix

Team 6

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Overview

1. Details of Cloud Service Provider

2. Challenges faced during deployment

3. Experience with respect to deployment

4. Demonstration of working website

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1. Cloud Service Provider : Heroku

- Heroku is a container based Platform as a Service(PaaS) that facilitates fast and effective building, deploying and scaling of web applications.
- It is built on top of AWS and is owned by Salesforce.
- Heroku offers ready-to-use environment that allows us to deploy faster when compared to complicated AWS process.
- It is best suited for simple and small medium softwares.

Why Heroku and its Advantages

- Unverified accounts receive a pool of 550 free dyno hours and verified accounts receive an additional 450 free dyno hours.
- These dyno hours can be shared across any of our free apps.
- Free apps sleep automatically after 30 mins of inactivity to conserve dyno hours.
- Free apps wake automatically when a web request is received.
- We can build upto 5 free apps with unverified accounts and upto 100 free apps with verified accounts.
- Heroku integrates with GitHub to make it easy to deploy code living on GitHub to apps running on Heroku. When GitHub integration is configured for a Heroku app, Heroku can automatically build and release(if the build is successful) pushes to the specified GitHub repo.

2. Challenges during Deployment

- Deployment requires access to heroku-cli in order to run migrations. This will be problematic when continuous deployment from a CI server

- If migrations fail then, application can be left in a non-functional state until the migration is fixed.

- Heroku apps include Procfile that specifies the commands that are executed by the application on the startup. So, if the Procfile is pointing to a wrong server file then the application gets crashed.

3. Experience with respect to deployment

- This was the first time that we have deployed something on web
- We learnt about the cloud services and the deployment models.
- We were able to map things taught in the theory classes to the actual application of the concepts.

4. Demonstration of working website

To view the application head over to

- https://miniflix-02.herokuapp.com/in/

Thank You!

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