TAMUWake Installation/Set-Up Plan

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People Involved: App's Current Owner

Viewing Permissions: Admin

Purpose: This document describes how you need to install the app from the github repository and deploy it using the Heroku platform in case of problems. This document should be used in case the application crashes and needs to be re-installed.

Instructions:

1. **Owner signs up for the GitHub Student Developer Pack**
   a. Create a GitHub account at https://github.com/
   b. Link your student email to your GitHub account
   c. Apply for the Student Developer Pack at https://education.github.com/pack
   d. The reply email confirming your status may take up to 24 hours to be received

2. **Owner creates a Heroku Account**
   a. Create a Heroku account at https://dashboard.heroku.com/apps
      i. Account email doesn't need to be with your student email
   b. When logging in to Heroku, a secondary version of authentication will be needed
      i. This can be done via Duo Mobile, just like with the TAMU Howdy Portal

3. **Owner applies for the Heroku student developer credits**
   a. Go to https://www.heroku.com/github-students and click "Get the student offer"
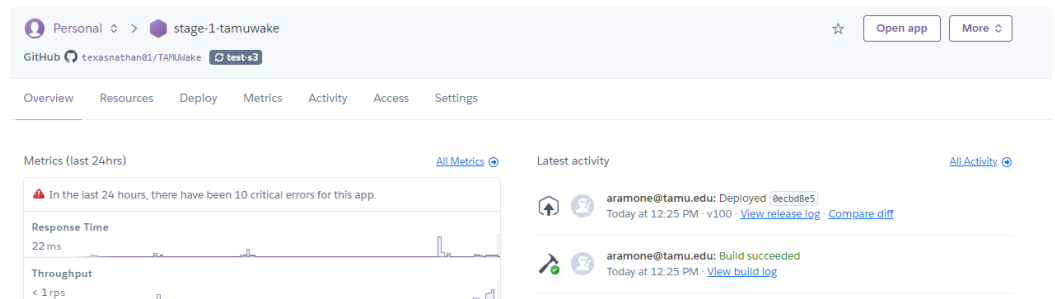   b. Follow instructions outlined in the link above.

4. **Making a new deployment**
   a. Clone the source code
      i. Follow instructions from https://docs.github.com/en/desktop/contributing-and-collaborating-using-github-desktop/adding-and-cloning-repositories/cloning-and-forking-repositories-from-github-desktop
      ii. Use those above instructions to copy the source code from https://github.com/texasnathan01/TAMUWake
   b. Go to https://dashboard.heroku.com/apps
   c. Select "New", and click "Create new app"
   d. Give the app any name you want. For this example, we will do 'production-2-tamuwake'

e. Under the "Deploy" tab, choose "GitHub" for deployment method
f. From your github account, select the repo you clone previously in step a
g. Under the "Manual Deploy" section, select "main" branch, and click "Deploy Branch"

5. **Ensure new app working**
   a. From the Heroku app page, select the "Overview" tab
   b. Ensure the deploy was successful by viewing the "Latest activity" section
      i.

   c. Open the app using the "Open app" button.
   d. Share the new app link to all users
   e. You will have to manually enter in all new information (ie receipts, sets, user account), as it is possible an invalid value being entered in a data field is what caused the crash

6. **Additional Notes**
   a. We will be sharing a fully deployed version of the website with you which will not need any installation. However, in the future, if the application needs to be re-installed for some reason, please feel free to reach out to any members of the development team. While we cannot guarantee that we will be available to help you out because we might not be in the class or even at Texas A&M, we want this application to succeed and would want to help out if possible.
   b. If you are unable to get help from anyone on the original development team but want to make improvements from the source code, feel free to make a copy of the original code base at https://github.com/texasnathan01/TAMUWake and try to improve it yourself or with any other developers. In particular, a developer seeking to improve our code should be familiar with Ruby on Rails, database design (we used PostgreSQL), and Heroku, as all of those are integral pieces of our project. If you want to make changes to the UI the developer should be familiar with HTML, CSS, and tailwind.