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1. Introduction

This documentation is for recording the process of deployment of Folihub. For deployment, Heroku is chosen to be the server due to its cost (free) and availability (permanently opened). Front-end and back-end are deployed separately in two different servers for security and future maintenance reasons.

2. Servers

Back-end server: https://folihub-api.herokuapp.com/
Front-end server: https://folihub.herokuapp.com/

3. Manual Deployment History

Date	Server	Description
13.9	Back-end	Initial released
13.9	Back-end	Authentication → passport login, signup
20.9	Front-end	Initial released
20.9	Front-end	Sprint 1 pages → signup, login, homepage, userHomepage
23.9	Back-end	Authentication → session, integration testing
27.9	Back-end	Authentication → flash message, integration testing
28.9	Back-end	Authentication → integration testing
4.10	Front-end	EditFolio, Contact Us pages, APIs connected for authentication
4.10	Back-end	Folio management APIs
6.10	Back-end	Authentication → passport testing
7.10	Back-end	Folio management APIs → savePage, rename, newPage, getFolio
7.10	Front-end	Sprint 2 pages → EditFolio
7.10	Back-end	Sprint 2 functionalities → folio management
8.10	Front-end	FAQ page
28.10	Front-end	Export folio and User homepage
18.11	Front-end	Download PDF and other minor updates
20.11	Front-end	Fixed bugs of editing page overflow of index and export button

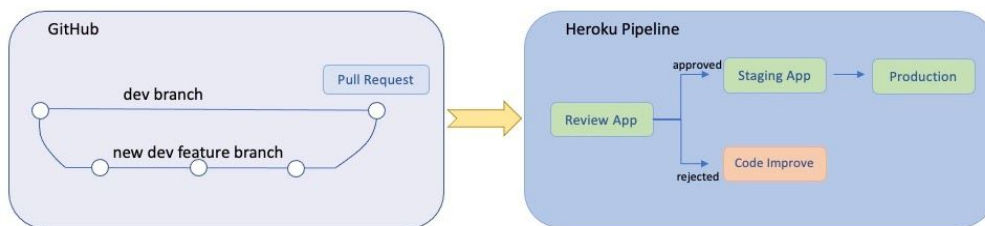**4.** Automated Deployment

Automate deployment pipelines in Haroku were set up after 28.10

Front-end : Keep manual deployment since some issues
Back-end : Automate pipelines

Workflow:

After a feature is finished:

1. Pull request is created
2. Pipeline deploys the merged version called "Review App"
3. Member review: Reject or Approve
4. "Review app" destroyed, "Staging App" created after Approvement
5. Tests are applied in "Staging App"
6. Promoted to "Production App" after meeting expectations