**Docs Management VA (Captain – Kamran Iqbal / Lu Han)**

## **Overview:**

Documentation management involves work such as update code links referenced in the docs from the Bot Builder Samples repo, fix broken links in the docs and more. We are looking for ways to automatically notify writers whenever there are changes in the Samples code and which sample code they need to double check in the docs, and when there are broken doc links and they need to fix them. We can use Bot Framework Composer to add a **custom action** and implement the feature.

## **User Scenarios:**

* Scenario 1: Code link checker
  + A sample in Bot Builder Samples repo (e.g. Sample #47) was updated.
  + The article that references the code links from Sample #47 will be identified.
  + The author who writes this article will be notified by email and check the code links.
* Scenario 2: Broken link checker
  + There is a broken link detected in an article.
  + The author of this article will be notified by email and fix it.

## **Details:**

|  |  |
| --- | --- |
| *Skill* | *Owner* |
| Documentation VA |  |
| Code link checker skill |  |
| Broken link checker skill |  |

## **Implementation**

1. Create an individual branch named “hackathon-may” based off master of bot-docs-pr repo.
2. Generate a spreadsheet with the following columns of data for each article that references documentation: author, doc github link, referenced sample link.
3. Call Github API to identify changes in the BotBuilder-Samples repo. Associate the changes to the attributes in the spreadsheet. Send an email to writers if changes are detected.
4. In Composer, we build a bot and enable a custom action.

## **Demo**

Use a few articles with samples for demo purposes.

1. Fork and create an individual branch named “hackathon-may-2020” based off master of bot-docs-pr repo.

<https://github.com/MicrosoftDocs/bot-docs-pr/tree/hackathon-may-2020>

1. Fork and create an individual branch named “hackathon-may-2020” based off master of BotBuilder-Samples repo.

<https://github.com/zxyanliu/BotBuilder-Samples/tree/hackathon-may-2020>

1. Make a tiny change (add a blank line) in a sample in the “hackathon-may” branch of BotBuilder-Samples repo.
2. The writer gets an email and is notified of the change.
3. Use the “hackathon-may” branch in bot-docs-pr repo to create a PR to see the changes of code misaligned in the docs from HTML view (publishing side).

## **Github repo for project**

<https://github.com/zxyanliu/hackathon-may-2020>