**Feature Name**: Human Name Entity Location Prediction

**Feature Statement**

As a ... Document Management Operator

I would like ... the File Clerk Virtual Assistant to visualize its predicted location of Human Names on a document

so that ... I may confirm or deny the location of Human Names predicted by the File Clerk and may train the File Clerk to improve its Human Names Name Entity Extraction

**Acceptance Criteria**

* Final code should be shared with heavywaterdevops Github username
* The Human Name Prediction algorithm should use any open source machine learning algorithm
* The Human Name Prediction algorithm should be trained on the set of 20 sample documents (OCR + PDF) provided in the July Codeathon I github repo:
  + <https://github.com/HeavyWater-CodeGarage/july-codeathon-i>
* Once trained, the Human Name Prediction should guess where the Human Names are located on the next PDF that is provided
* The Human Name Prediction should circle/highlight the location on the PDF that was provided that it has predicted the Human Name(s) to be located
* The training of the Human Name Prediction algorithm should use the coordinates of human names that have been provided in the 20 OCR samples
* The infrastructure should be on Amazon Web Services
* The code for the Human Name Prediction should be deployed using Continuous Integration and Infrastructure as Code tools available on AWS
* Functionality and infrastructure should be deployed on Amazon Web Services [without any manual steps](https://www.youtube.com/watch?v=WL2xSMVXy5w#t=39m30)
* The Human Name Prediction should be deployed and demoed on AWS EC2 server
* A video file or video link should be committed to your Github repo, which includes the following components:
  + Instructions of how to run your code
  + Design and development steps that were taken
  + Demo of the functionality
  + Mention of some challenges that were faced
  + Proof on what makes your solution effective beyond the sample commands provided