Building docker images during CI

Start

Let's update our CICD workflow so that it can also build the docker image for the Identity microservice.

In GitHub (Play.Identity repo)

1. Add the build-and-deploy-service job:

```
build-and-deploy-service:
  runs-on: ubuntu-latest
  needs: generate-version

  steps:
    - uses: actions/checkout@v2
```

2. Search for the **Build and push Docker images** action in marketplace

3. Copy action to yaml

4. Update action:

```
- name: Build and push Docker images
  uses: docker/build-push-action@v2.9.0
  with:
    secrets: |
      "GH_OWNER=${{ github.repository_owner }}"
      "GH_PAT=${{secrets.GH_PAT}}"
    tags: ${{ env.APP_NAME }}.azurecr.io/play.identity:${{ needs.generate-version.outputs.new_version }}
```

5. Add the APP_NAME environment variable to the job:

```
build-and-deploy-service:
  runs-on: ubuntu-latest
  needs: generate-version

  env:
    APP_NAME: playeconomy

  steps:
    ….
```

6. Go to the Play.Identity repository Settings → Secrets → Actions

7. Create the GH_PAT repo level secret

8. Commit

9. Verify workflow creates docker image

In VS Code (Play.Identity repo)
10. Pull latest

11. Update README:

Required repository secrets for GitHub workflow
GH_PAT: Created in GitHub user profile --> Settings --> Developer settings --> Personal access tokens

12. Commit and push

Now that you learned how to create the CI portion of a CICD pipeline for your Identity microservice, please move ahead to the next assignment where you will enable a CI pipeline for your other microservices.