Production Release Document

# Overview

This document outlines the steps required to perform the production release, covering both Backend (Lambda functions & API Gateway) and Frontend (Angular application) components.

# 1. Backend Deployment Tasks

## Task 1: Update Lambda Functions

- Go to each QA-Second Lambda function in the AWS Console.  
- Copy the code from the QA-Second function.  
- Open the corresponding Production Lambda function.  
- Paste the code into the production function.  
- Commit and push the updated code to the production repository.  
  
Note: Ensure all environment variables and configurations match the production setup.

## Task 2: Deploy API to Production

- Navigate to API Gateway.  
- Select the relevant API.  
- Deploy the QA-Second stage changes to the Production stage.  
  
Note: Validate endpoints after deployment to confirm successful rollout.

# 2. Frontend Deployment Tasks

## Task 1: Merge Branches

- Merge the 'qa-second' branch into the 'production' branch using:  
 git checkout production  
 git merge qa-second  
  
Note: Resolve any conflicts if they arise and commit the final merged code.

## Task 2: Create Production Build

- Generate the Angular production build using:  
 ng build -c production  
  
- The build output will be available in the 'dist/' folder.

## Task 3: Deploy to dist

- Merge the generated build output to the 'dist' branch.  
- Push changes to the remote 'dist' branch using:  
 git add dist/  
 git commit -m "Production build deployed"  
 git push origin dist

# Post-Deployment Checklist

- [ ] All Lambda functions updated and tested  
- [ ] API Gateway deployed to production stage  
- [ ] Angular production build tested locally  
- [ ] dist branch contains updated build files  
- [ ] End-to-end testing completed on production

# Notes

- Ensure backups or version tags are created before overwriting existing code.  
- Monitor logs and metrics post-deployment for errors or unusual behavior.

Note: No need to do anything else to release Bank of America, because Bank of America uses the same code; only the database is different.