# The Conveyor Belt Stack

Tonight, we will create a bucket with two html pages. First one index.html will list all our projects moving forward.

### Create a Maven Project

myapp

│-- src/main/java # Java source code (if needed)

│-- src/main/resources # Resource folder (ideal for static files)

│ ├── static # Best place for static assets

│ │ ├── index.html # Your HTML file

│-- src/test/java # Test classes

│-- pom.xml # Maven configuration file

### Create Index HTML

A screenshot of a computer research website

AI-generated content may be incorrect.

Create in folder structure: src/main/resources/templates/index.html

\*\* You can later extend this to include **CSS** and **JavaScript**:

A screen shot of a computer code

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### General development and updates to Git from Eclipse

Update the Index.html page, this can be any update in the project. Once you save your work, it shows a list of items which are “Unstaged Changes”. Stage and commit frequently. Press the ++ button and current changes will be in the “Staged Changes” dialog box. Add a “Commit Message”, brief message about this commit, it could be as simple, as saving to test, going to lunch, EOD or as meaningful as “create new java interfaces for the person class, employee class and employee.js which are part of the employee feature for the 3.0.0.1 release. This is up to you. The more you think about those reading it later in life the more you show you care about others.

A screenshot of a computer

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A screenshot of a computer

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Conveyor Belt Example, which will help us learn about stacks (Next week).

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## AWS Lambda

From your main login page, type in Lambda and Press create a function

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Create Function  
**Create a New AWS Lambda Function**

1. Log in to your **AWS Management Console**.
2. Navigate to **AWS Lambda** → **Create function**.
3. Choose **"Author from scratch"**.
4. Function name: CICS213\_S2025\_PostfixEvaluatorLambda (add your initials if needs to be unique)
5. Runtime: **Java 17**
6. Choose an execution role: Select **"Create a new role with basic Lambda permissions"**.
7. Click **"Create function"**.

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## Create a general purpose S3 bucket

A screenshot of a bucket list

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A screenshot of a bucket version

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A screenshot of a bucket key

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Press Create Bucket

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I called my cics213-spring2025-jaf for the home version (this is like version 5 too).

## Create HTML Documents

## Load HTML Documents

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## Create New Amplify App

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**Create new app**

Use our GitLab app.

Take the Class Websites (index.html) and post and run.

See my Temperature Converter.

Update file on PC, post to Gitlab, post to AWS.