

1. [2 points] Capture your browser screen to show that you can successfully sign up for a Heroku account. An example is in Slide#14.

The screenshot shows a web browser window with the Heroku account dashboard. The browser's address bar displays 'dashboard.heroku.com/account'. The page has a navigation bar with the Heroku logo and a search bar. Below the navigation bar, there are tabs for 'Manage Account', 'Account', 'Applications', and 'Billing'. The 'Account' tab is selected, showing the 'Profile' section. The 'Profile' section includes a description: 'Your email address is your identity on Heroku and is used to log in.' It features a profile picture placeholder and input fields for 'Email Address' (containing 'sirapoomlee@gmail.com') and 'Name (Optional)' (containing 'Sirapoom Leesuravanich'). A link to 'Manage your avatar using Gravatar.' is provided. Below the profile section, there is a 'Password' section with the text 'Changing your password will also reset your API key.' It contains three input fields: 'Current Password' (with placeholder 'enter your current password'), 'New Password' (with placeholder 'enter a new password'), and 'Confirm New Password'. A note states 'Password must be 8 or more characters.' The Windows taskbar is visible at the bottom, showing the search bar and several open applications.

myCourseVille x Chapter14\_Deployment-360766 x worksheet: Assignment#11 Deplo x Account | Heroku x +

dashboard.heroku.com/account

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Manage Account

Account Applications Billing

Profile

Your email address is your identity on Heroku and is used to log in.

Email Address

sirapoomlee@gmail.com

Name (Optional)

Sirapoom Leesuravanich

Manage your avatar using [Gravatar](#).

Password

Changing your password will also reset your API key.

Current Password

enter your current password

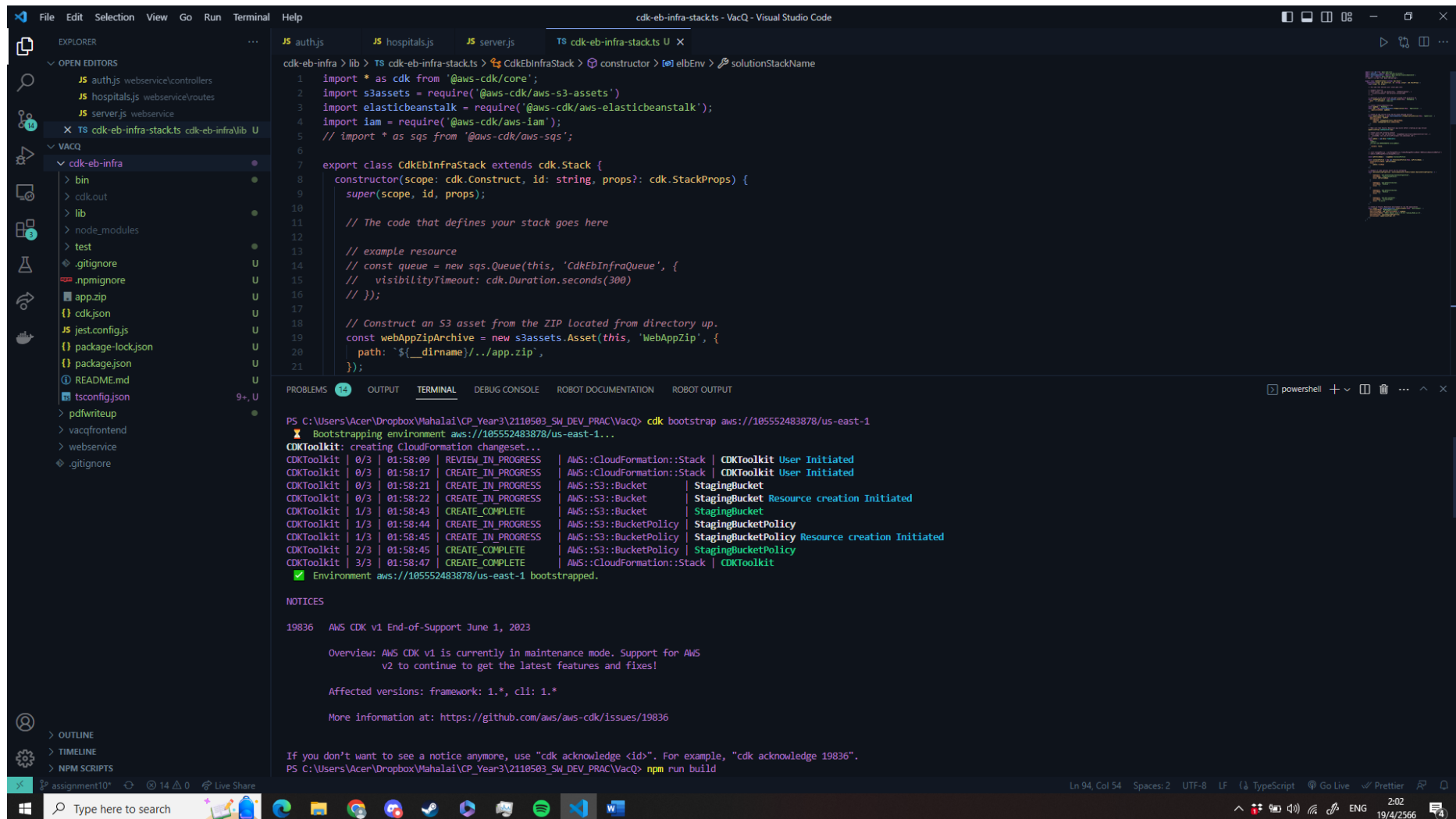
New Password

enter a new password

Password must be 8 or more characters.

Confirm New Password

2. [2 points] Capture your terminal screen to show that you can successfully "cdk bootstrap" the AWS account by following Slide#60.



The screenshot displays the Visual Studio Code interface with a project named 'cdk-eb-infra-stack-ts'. The Explorer sidebar on the left shows the project structure, including files like 'auth.js', 'hospitals.js', 'server.js', and 'cdk-eb-infra-stack-ts'. The main editor area shows the 'cdk-eb-infra-stack-ts' file, which is a TypeScript file defining a CDK stack. The terminal at the bottom shows the execution of the 'cdk bootstrap' command, which successfully bootstraps the environment for the AWS account 'aws://105552483878/us-east-1'. The terminal output includes a table showing the progress of resource creation, such as 'StagingBucket', 'StagingBucketPolicy', and 'CDKToolkit User Initiated'. The status bar at the bottom indicates the current file is 'cdk-eb-infra-stack-ts' at line 94, column 54, with a UTF-8 encoding and a prettier formatter.

```
File Edit Selection View Go Run Terminal Help
cdk-eb-infra-stack-ts - VacQ - Visual Studio Code

EXPLORER
  OPEN EDITORS
    JS auth.js web-service/controllers
    JS hospitals.js web-service/routes
    JS server.js web-service
    X TS cdk-eb-infra-stack-ts cdk-eb-infra/vib U
  VACQ
    cdk-eb-infra
      bin
      cdk.out
      lib
      node_modules
      test
      .gitignore
      .npmignore
      app.zip
      cdk.json
      jest.config.js
      package-lock.json
      package.json
      README.md
      tsconfig.json
      pdfwriteup
      vacqfrontend
      web-service
      .gitignore

OUTLINE
  TIMELINE
  NPM SCRIPTS
  assignment10*
  Live Share

Type here to search

TS cdk-eb-infra-stack-ts U X
cdk-eb-infra > lib > TS cdk-eb-infra-stack-ts > CdkEbinfraStack > constructor > elbEnv > solutionStackName
1 import * as cdk from '@aws-cdk/core';
2 import s3assets = require('@aws-cdk/aws-s3-assets');
3 import elasticbeanstalk = require('@aws-cdk/aws-elasticbeanstalk');
4 import iam = require('@aws-cdk/aws-iam');
5 // import * as sqs from '@aws-cdk/aws-sqs';
6
7 export class CdkEbinfraStack extends cdk.Stack {
8   constructor(scope: cdk.Construct, id: string, props?: cdk.StackProps) {
9     super(scope, id, props);
10
11     // The code that defines your stack goes here
12
13     // example resource
14     // const queue = new sqs.Queue(this, 'CdkEbinfraQueue', {
15     //   visibilityTimeout: cdk.Duration.seconds(300)
16     // });
17
18     // Construct an S3 asset from the ZIP located from directory up.
19     const webAppZipArchive = new s3assets.Asset(this, 'WebAppZip', {
20       path: `${__dirname}/../app.zip`,
21     });
22
23 PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE ROBOT DOCUMENTATION ROBOT OUTPUT
PS C:\Users\Acer\Dropbox\Mahalai\CP_Year3\2110503_SW_DEV_PRAC\VacQ> cdk bootstrap aws://105552483878/us-east-1
X Bootstrapping environment aws://105552483878/us-east-1...
CDKToolkit: creating CloudFormation changeset...
CDKToolkit | 0/3 | 01:58:09 | REVIEW_IN_PROGRESS | AWS::CloudFormation::Stack | CDKToolkit User Initiated
CDKToolkit | 0/3 | 01:58:17 | CREATE_IN_PROGRESS | AWS::CloudFormation::Stack | CDKToolkit User Initiated
CDKToolkit | 0/3 | 01:58:21 | CREATE_IN_PROGRESS | AWS::S3::Bucket | StagingBucket
CDKToolkit | 0/3 | 01:58:22 | CREATE_IN_PROGRESS | AWS::S3::Bucket | StagingBucket Resource creation Initiated
CDKToolkit | 1/3 | 01:58:43 | CREATE_COMPLETE | AWS::S3::Bucket | StagingBucket
CDKToolkit | 1/3 | 01:58:44 | CREATE_IN_PROGRESS | AWS::S3::BucketPolicy | StagingBucketPolicy
CDKToolkit | 1/3 | 01:58:45 | CREATE_IN_PROGRESS | AWS::S3::BucketPolicy | StagingBucketPolicy Resource creation Initiated
CDKToolkit | 2/3 | 01:58:45 | CREATE_COMPLETE | AWS::S3::BucketPolicy | StagingBucketPolicy
CDKToolkit | 3/3 | 01:58:47 | CREATE_COMPLETE | AWS::CloudFormation::Stack | CDKToolkit
[X] Environment aws://105552483878/us-east-1 bootstrapped.

NOTICES
19836 AWS CDK v1 End-of-Support June 1, 2023

Overview: AWS CDK v1 is currently in maintenance mode. Support for AWS
v2 to continue to get the latest features and fixes!

Affected versions: framework: 1.*, cli: 1.*

More information at: https://github.com/aws/aws-cdk/issues/19836

If you don't want to see a notice anymore, use "cdk acknowledge <id>". For example, "cdk acknowledge 19836".
PS C:\Users\Acer\Dropbox\Mahalai\CP_Year3\2110503_SW_DEV_PRAC\VacQ> npm run build
Ln 94, Col 54 Spaces: 2 UTF-8 LF TypeScript Go Live Prettier
2:02
19/4/2566
```

3. [2 points] Capture your AWS CloudFormation Console to show that you can successfully deploy your web application. An example is in Slide#65.

The screenshot displays the AWS CloudFormation console interface. The left sidebar contains navigation options: Stacks, StackSets, Exports, Designer, Registry, and Feedback. The main content area shows a list of stacks under the heading 'Stacks (4)'. The list includes four stacks, all with a status of 'CREATE\_COMPLETE'.

Stack name	Status	Created time	Description
awseb-e-3wgjq2wcf-stack	CREATE_COMPLETE	2023-04-19 20:19:17 UTC+0700	AWS Elastic Beanstalk environment (Name: 'MyWebAppEnvironment' Id: 'e-3wgjq2wcf')
CdkEblnfraStack	CREATE_COMPLETE	2023-04-19 20:18:31 UTC+0700	-
CDKToolkit	CREATE_COMPLETE	2023-04-19 01:58:09 UTC+0700	The CDK Toolkit Stack. It was created by 'cdk bootstrap' and manages resources necessary for managing your Cloud Applications with AWS CDK.
c73736a149841313957962t1w105552483878	CREATE_COMPLETE	2023-04-18 13:18:39 UTC+0700	associate Learner Lab template

A notification box at the bottom left states: 'Introducing AWS CloudShell in the console toolbar. Get quick access to CloudShell while navigating throughout the AWS Management Console. OK'.

The bottom of the screen shows the Windows taskbar with the search bar and various application icons. The footer of the AWS console indicates the copyright year 2023 and provides links for Privacy, Terms, and Cookie preferences.

4. [2 points] Capture your Elastic Beanstalk > Environments console to show that you can successfully deploy your web application. An example is in Slide#66.

The screenshot displays the AWS Elastic Beanstalk console in the 'Environments' section. A blue banner at the top announces the new console experience. The left sidebar shows navigation options: Environments (selected), Applications, and Change history. Below this, 'Recent environments' lists 'TestAppEnvironment' and 'MyWebAppEnvironment'. The main content area, titled 'All environments', features a search bar and a table of environments. The table has columns for Environment name, Health, Application name, Date created, Last modified, URL, Running versions, Platform, Platform state, and Tier name. Five environments are listed, including one active 'MyWebAppEnvironment' and four terminated ones. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 14:31 on 20/4/2566.

Environment name	Health	Application name	Date created	Last modified	URL	Running versions	Platform	Platform state	Tier name
MyWebAppEnvironment	Ok	MyWebApp	2023-04-20 14:10:18 UTC+0700	2023-04-20 14:29:34 UTC+0700	<a href="#">MyWebAppEnvironment.eba-gpdacrz5.us-east-1.elasticbeanstalk.com</a>	cdkebinfrastack-appversion-kjap2zlmboxv	Node.js 16 running on 64bit Amazon Linux 2	Supported	WebServer
MyWebAppEnvironment (terminated)	-	MyWebApp	2023-04-20 13:47:52 UTC+0700	2023-04-20 14:02:28 UTC+0700	<a href="#">MyWebAppEnvironment.eba-6xmsp3b2.us-east-1.elasticbeanstalk.com</a>	cdkebinfrastack-appversion-cbzoum5ebdwv	Node.js 16 running on 64bit Amazon Linux 2	Supported	WebServer
MyWebAppEnvironment (terminated)	-	MyWebApp	2023-04-20 13:22:37 UTC+0700	2023-04-20 13:40:10 UTC+0700	<a href="#">MyWebAppEnvironment.eba-qmhpzax4.us-east-1.elasticbeanstalk.com</a>	cdkebinfrastack-appversion-lsvmesvcvp4b	Node.js 16 running on 64bit Amazon Linux 2	Supported	WebServer
TestAppEnvironment (terminated)	-	TestApp	2023-04-20 13:57:45 UTC+0700	2023-04-20 14:15:48 UTC+0700	<a href="#">TestAppEnvironment.eba-7zpqiaz2.us-east-1.elasticbeanstalk.com</a>	cdkebinfrastack-appversion-zgygxe9t7wa	Node.js 16 running on 64bit Amazon Linux 2	Supported	WebServer
TestAppEnvironment (terminated)	-	TestApp	2023-04-20 13:34:39 UTC+0700	2023-04-20 13:53:52 UTC+0700	<a href="#">TestAppEnvironment.eba-pumzn3bb.us-east-1.elasticbeanstalk.com</a>	cdkebinfrastack-appversion-t8xbovfy6vio	Node.js 16 running on 64bit Amazon Linux 2	Supported	WebServer

[2 points] Capture your browser screen to show that you can successfully call the "Get All Hospitals" API from AWS Elastic Beanstalk. An example is in Slide#67.

