

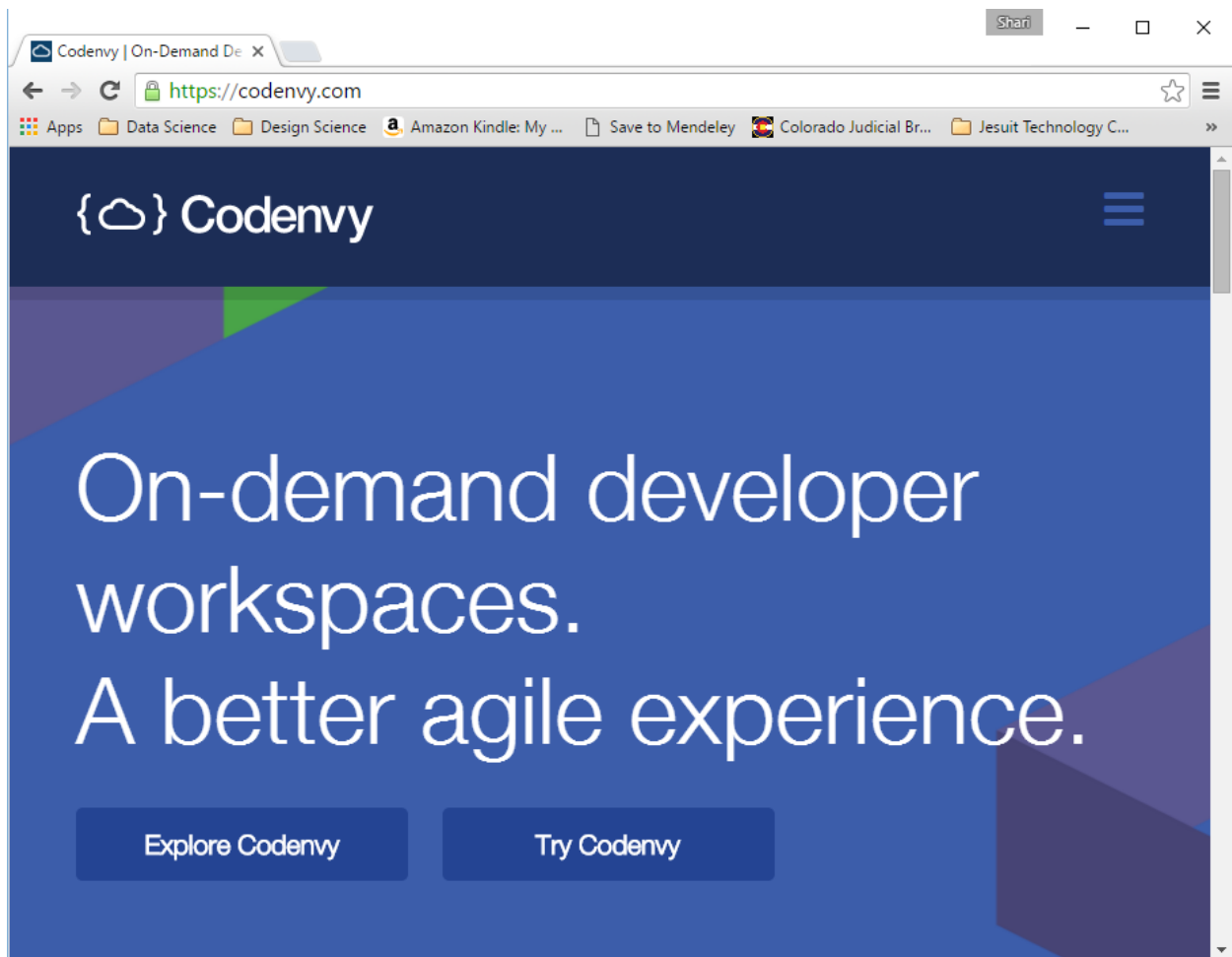
## Coding in the Cloud

This tutorial will show you how to setup Software as a Service (SaaS) called Codenvy so that you can learn to program using the Cloud. Using the cloud will let you program from any computer on almost any browser.

### Step #1

Open a browser such as Chrome or Internet Explorer and type the URL <https://codenvy.com>

Once you see the following screen select the “Try Codenvy” button.



## Step #2

Select "Start with SaaS"

Overview Technology Pricing **Getting Started**

### Get Codenvy On-Prem

Provides security, control and resource management.

- Free for up to 5 users [See Fair Source](#)
- You install or we install options available
- Tools for scaling, backup and user management

Start with On-Prem

### Use Codenvy SaaS

Free self-service workspaces hosted at codenvy.com.

- No credit card required
- Unlimited users and workspaces
- No VPC / VPN integration

Start with SaaS

## Step #3

Select "Create Free Account"

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Overview Technology Pricing **Getting Started**

### SaaS (Production)

Used today by hundreds of thousands of developers.

- Free, no credit card required
- Buy additional gigabyte hours (GBH) by credit card
- Start with SaaS and move to On-Prem anytime [See Services](#)

Create Free Account

### SaaS Next-Generation (Beta)

Codenvy workspaces are based on Eclipse Che.

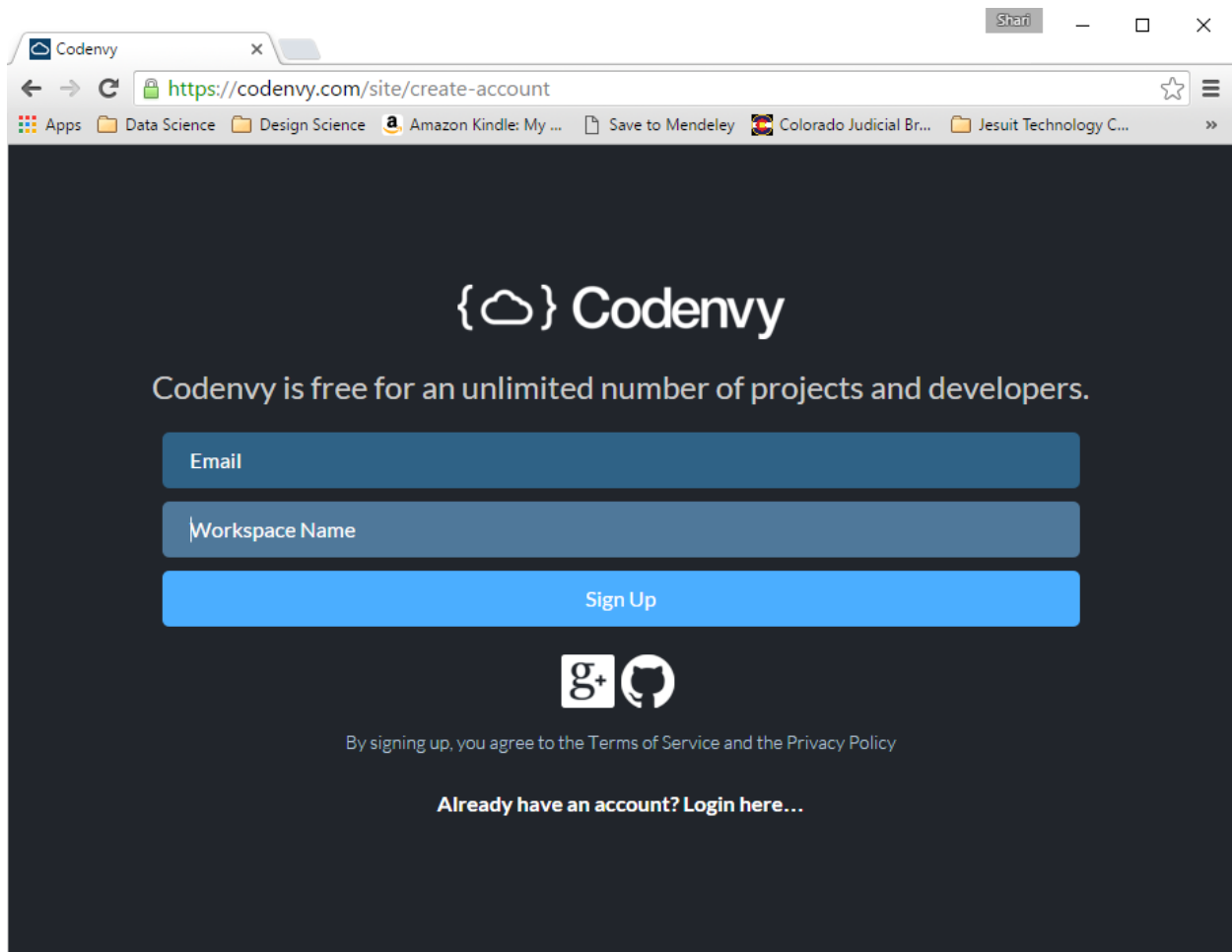
- Portable workspaces with runtimes
- Workspace templates and sharing
- SSH and desktop IDE compatible

Request Beta Invite

#### Step #4

Enter your email address and create a workspace name such as “CoderDoJo”.

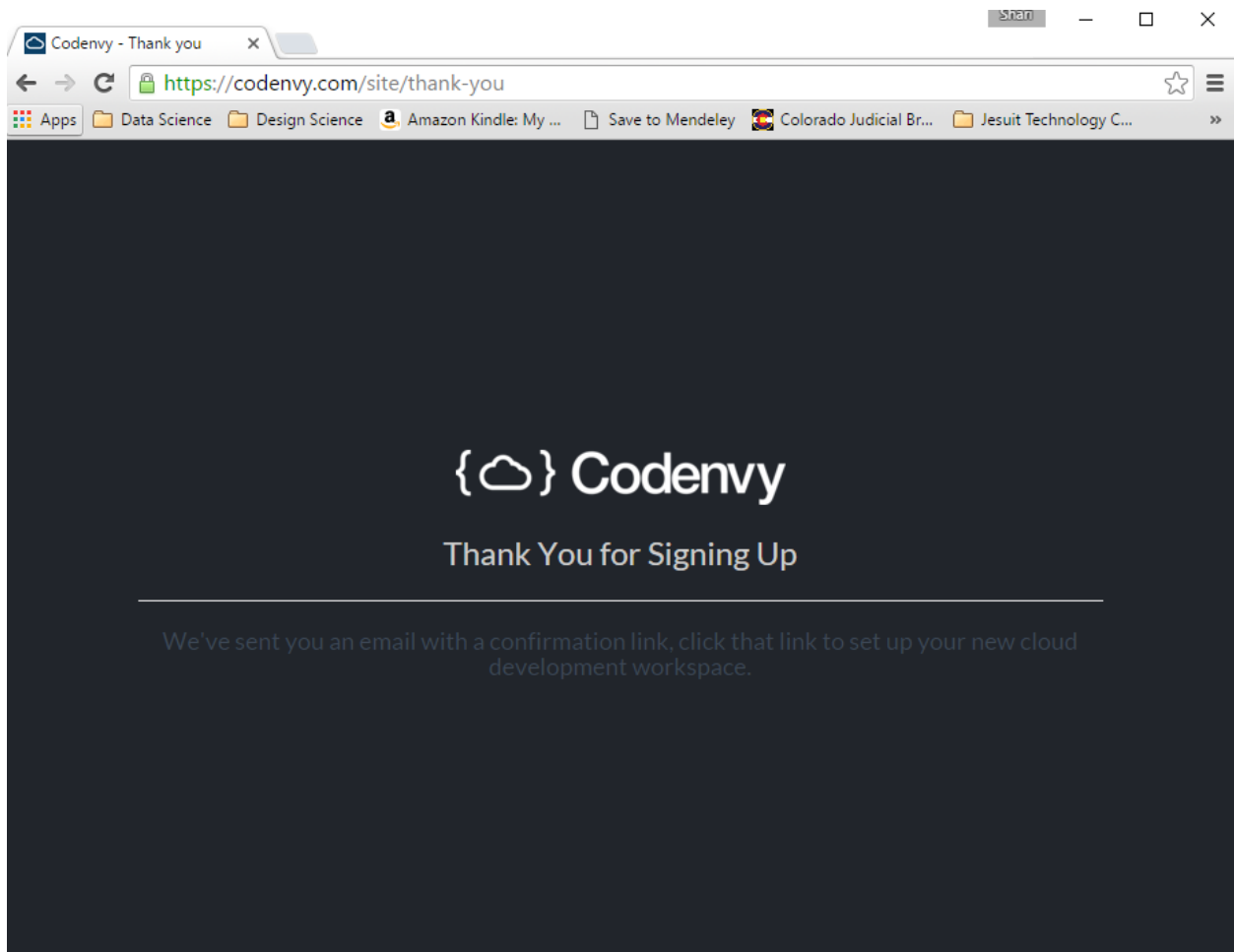
Click “Sign Up”



The image shows a web browser window with the URL <https://codenvy.com/site/create-account>. The page features the Codenvy logo at the top, followed by the text "Codenvy is free for an unlimited number of projects and developers." Below this, there are two input fields: "Email" and "Workspace Name". A prominent blue "Sign Up" button is centered below the input fields. At the bottom, there are icons for Google+ and GitHub, a line of text stating "By signing up, you agree to the Terms of Service and the Privacy Policy", and a link that says "Already have an account? Login here..."

## Step #5

Check your email for a message from Codenvy. Follow the instructions in the email to confirm that you are a real person.





Sat 2/20/2016 9:47 AM

Codenvy <noreply@codenvy.com>

**Verify Your Codenvy Account**

o shari.plantzmasters@gmail.com

**i** If there are problems with how this message is displayed, [click here to view it in a web browser](#).  
[Click here to download pictures](#). To help protect your privacy, Outlook prevented automatic download of some pictures in this message.



Welcome to Codenvy!

Thank you for registering with Codenvy.

Please verify your email address to get the most out of Codenvy:



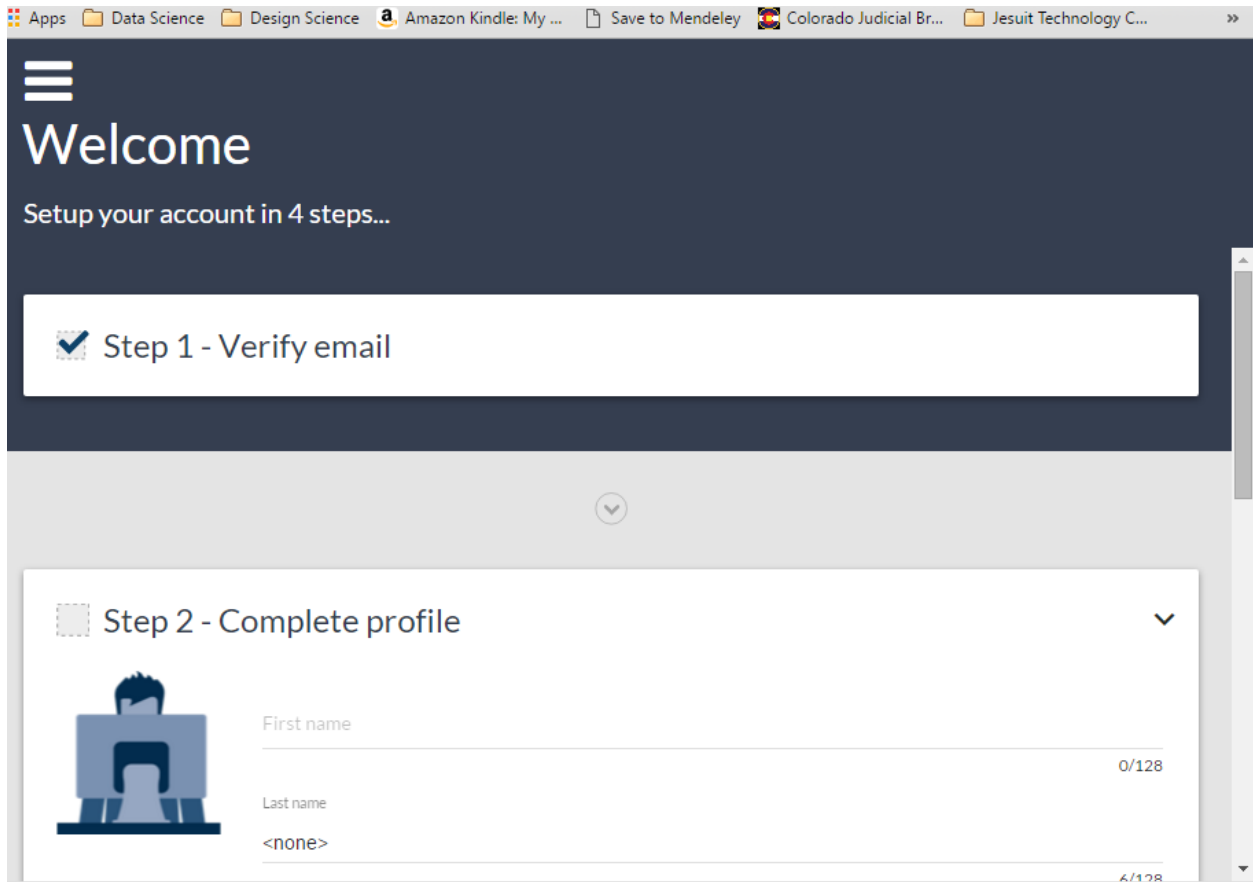
We're glad to have you with us. **The Codenvy Team**

2015 - Codenvy SA

Follow [@CodenvyHQ](#) on Twitter

## Step #6

Follow the instructions to complete creating your account. You probably want to just skip entering credit card information for now.



The screenshot shows a web browser window with several tabs open: 'Apps', 'Data Science', 'Design Science', 'Amazon Kindle: My ...', 'Save to Mendeley', 'Colorado Judicial Br...', and 'Jesuit Technology C...'. The main content area has a dark blue header with a hamburger menu icon and the text 'Welcome' and 'Setup your account in 4 steps...'. Below this, a white box indicates 'Step 1 - Verify email' with a checkmark icon. A scrollable area below shows 'Step 2 - Complete profile' with a dropdown arrow. To the left of the form is an icon of a person at a computer. The form has two input fields: 'First name' (empty) and 'Last name' (containing '<none>'). Character counts '0/128' and '6/128' are visible at the end of the respective input fields.


Apps Data Science Design Science Amazon Kindle: My ... Save to Mendeley Colorado Judicial Br... Jesuit Technology C...

☰  
Welcome  
Setup your account in 4 steps...

☑ Step 1 - Verify email

▼

☐ Step 2 - Complete profile ▼

 First name 0/128


Last name 6/128  
<none>

**Codenvy**  
NEW PROJECT

**Welcome**  
Setup your account in 4 steps...

Step 2 - Complete profile

Step 3 - Add a credit card (optional)  
Remove limits and get unlimited RAM with a Pay As You Go account by adding a credit card:

 FULL NAME

Card Number:  A credit card number is required.  
Cardholder:  Name A cardholder name is required.  
Expires:  The expires value is required.  
CVV:  A cvv code is required.  
Post Code:  A postal code is required.

Street Address:   
City:   
State:   
Country:



## Step #7

### Almost There!!!

Let's create myfirstwebsite. Select the "Create Project" button.

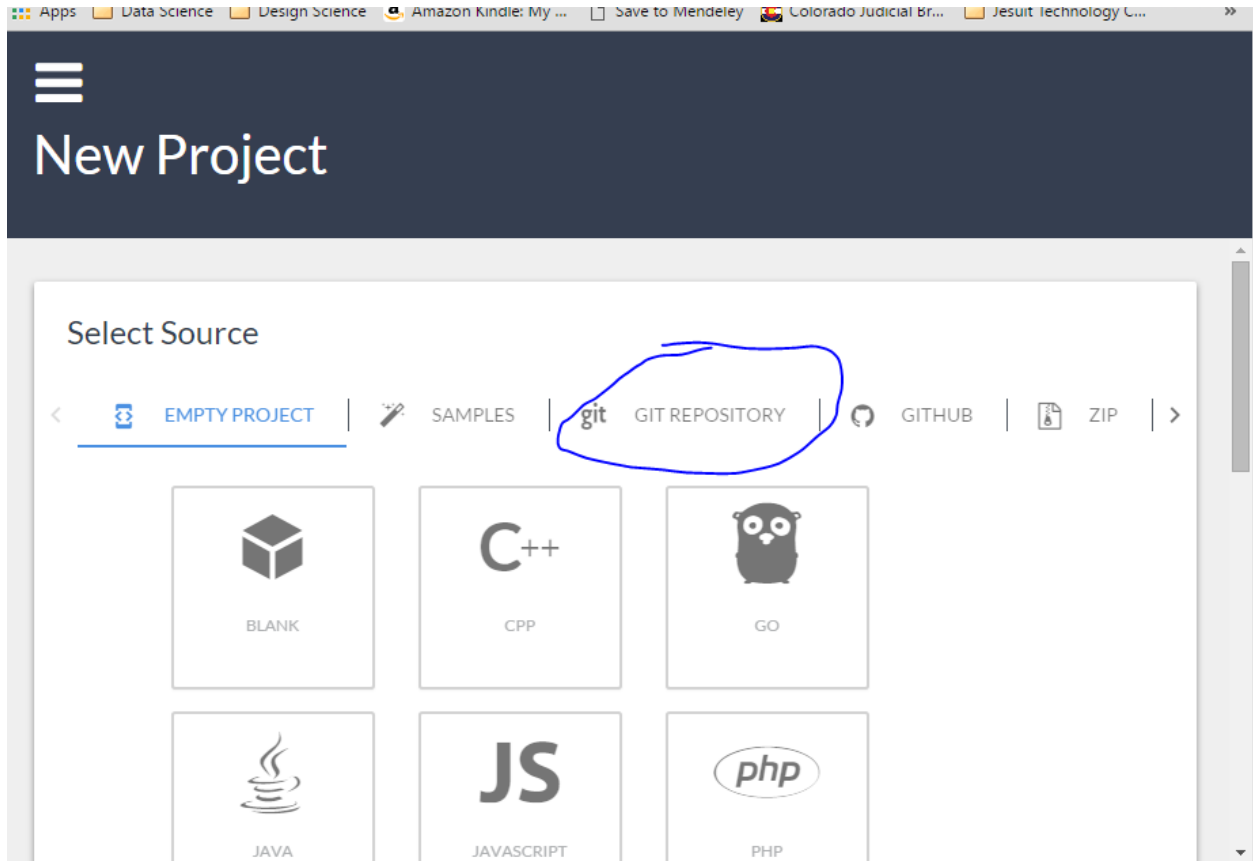
The screenshot shows a dark blue header with a hamburger menu icon and the text "Welcome" and "Setup your account in 4 steps...". Below the header, there are four steps in a vertical list:

- Step 2 - Complete profile (checked)
- Step 3 - Add a credit card (optional) (checked)
- Step 4 - Create project (unchecked)

The "CREATE PROJECT" button is highlighted with a blue circle.

## Step #8

Select "GIT REPOSITORY"



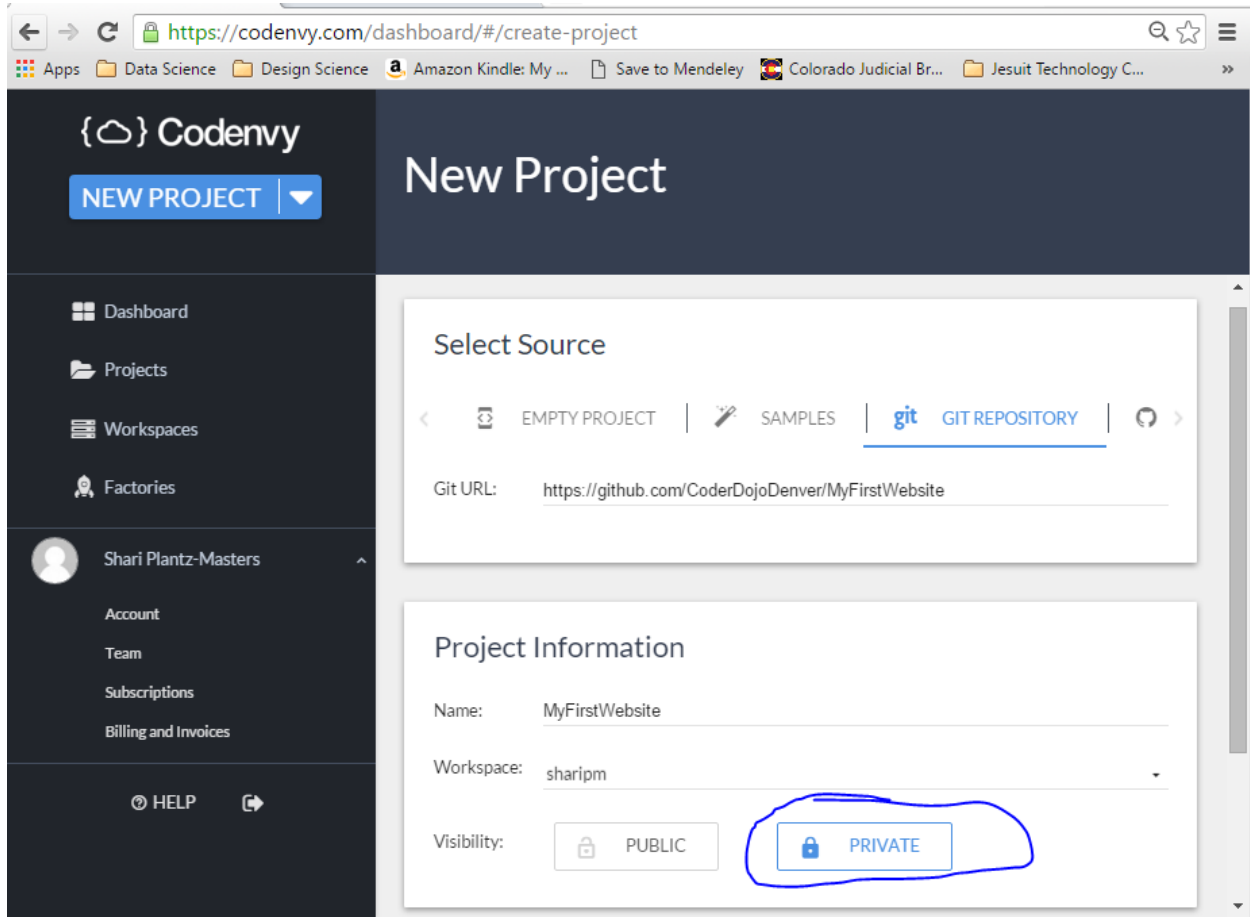
## Step #9

Where the screen says “Git URL:” type or copy and paste

<https://github.com/CoderDojoDenver/MyFirstWebsite>

Most likely you want your project to start out being private so select “PRIVATE”

Select “CREATE PROJECT” for codenvy to set up your workspace and create the project.





# New Project

## Project Information

Name

MyFirstWebsite

15/128

Workspace:

sharipm

Visibility:



PUBLIC



PRIVATE

CREATE PROJECT

## Step #10

Let's start working on our project. Select "OPEN IN IDE"

The screenshot shows the Codenvy dashboard interface. At the top, the browser address bar displays the URL: <https://codenvy.com/dashboard/#/project/workspaceh43cxm5du4pi5tbj/MyFirstWebsite>. The dashboard header includes the Codenvy logo, a "NEW PROJECT" button, and a navigation breadcrumb "All projects" leading to "MyFirstWebsite". A blue button labeled "OPEN IN IDE" is circled in blue. Below the header, the main content area shows a search bar with "sharipm", a "Visibility" section with "PUBLIC" and "PRIVATE" options, and a "Delete Project" section with a red "DELETE" button. The left sidebar contains navigation links for Dashboard, Projects, Workspaces, Factories, and a user profile for Shari Plantz-Masters with options for Account, Team, Subscriptions, and Billing and Invoices. A "HELP" button is located at the bottom of the sidebar.

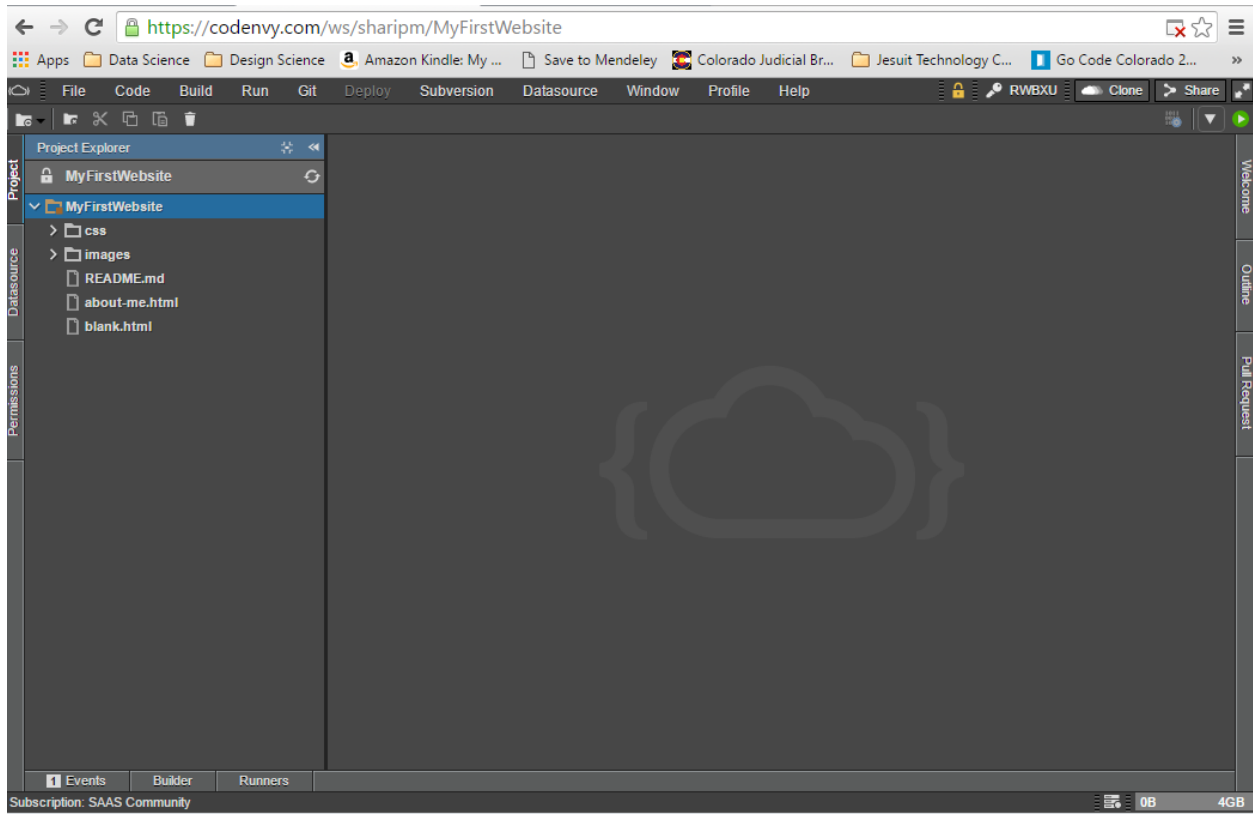
## Step #11

At this point you should see this screen and your project will be loaded into Codenvy.

## Step #12

Let's run the project

In the top menu click "Run" then select "Run With..."



## Step #13

On the left side in the Configs area scroll down and select “Apache 2?”

On the right side in the Properties box select “Project Default”

The screenshot displays the Codenvy IDE interface for a project named "MyFirstWebsite". The interface is divided into several sections:

- Project Explorer:** Shows the project structure with folders "css" and "images", and files "README.md", "about-me.html", and "blank.html".
- Runners:** A list of runners is shown under the "Configs" tab. The "Apache 2" runner is selected and circled in blue. It is marked as the "Project default" and "Matches project". Other runners include "Apache 2.4 + MYSQL 14.14 + PHP 5.6", "C++", and "Cassandra DB 2.0 + Java 7".
- Properties:** A detailed view of the selected "Apache 2" runner. The "Project default" property is set to "ON" and is circled in blue. Other properties include "Name: Apache 2", "Type: javascript/web", "RAM: 1000 mb", "Boot: runner starts", "Shutdown: 4 hour timeout", "Scope: system", and "Application: Timeout".

The bottom of the interface shows a subscription to "SAAS Community" and system resources like "0B" and "4GB".



## Step #14

On the top menu select Run again and select "Run" from the drop down

You will see Codenvy start up your web site. When it's done look at the bottom of the screen for the application url as seen in the screen shot. Select this link and your web site will open up.

The screenshot shows the Codenvy IDE interface. The top menu bar includes File, Code, Build, Run, Git, Deploy, Subversion, Datasource, Window, Profile, and Help. The Project Explorer on the left shows the project structure for 'MyFirstWebsite', including folders for 'css' and 'images', and files for 'README.md', 'about-me.html', and 'blank.html'. The Runners panel at the bottom left shows a single runner named 'Runner 1' with a status of '1000MB 02-20-2016 10:35:28'. The Console panel at the bottom right displays the following output:

```
[DOCKER] Step 2 : VOLUME /var/www/html
[DOCKER] --> Using cache
[DOCKER] --> 452c67c6df9e
[DOCKER] Successfully built 452c67c6df9e
[INFO] Environment preparation done. Application MyFirstWebsite starting up...
[STDOUT] Starting web server: apache2.
[STDOUT] ==> /var/log/apache2/access.log <==
[STDOUT]
[STDOUT] ==> /var/log/apache2/error.log <==
[STDOUT]
[STDOUT] [Sat Feb 20 17:35:35.217492 2016] [mpm_event:notice] [pid 38:tid 139993928218496] AH00489: Apache/2.4.18
[STDOUT] [Sat Feb 20 17:35:35.217600 2016] [core:notice] [pid 38:tid 139993928218496] AH00094: Command line: '/usr
[INFO] Application MyFirstWebsite booted and reachable.
[STDOUT]
[STDOUT] ==> /var/log/apache2/access.log <==
[STDOUT] 10.13.176.166 - - [20/Feb/2016:17:35:37 +0000] "HEAD / HTTP/1.1" 200 183 "-" "Java/1.8.0_45"
```

At the bottom of the console, the application URL is displayed: <http://runnerp12.codenvy.com:62731>. This URL is circled in red in the screenshot. The timeout for the application is shown as 3h:58m:56s.

Codenvy - User Dashboard x Codenvy | MyFirstWebsite x Index of / (53 unread)

runnerp12.codenvycorp.com:62731

Apps Data Science Design Science Amazon Kindle: My ... Save to Mendeley Colorado Judicial

## Index of /

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 <a href="#">README.md</a>	2016-02-20 17:35	326	
 <a href="#">about-me.html</a>	2016-02-20 17:35	418	
 <a href="#">blank.html</a>	2016-02-20 17:35	218	
 <a href="#">css/</a>	2016-02-20 17:35	-	
 <a href="#">images/</a>	2016-02-20 17:35	-	

*Apache/2.4.10 (Debian) Server at runnerp12.codenvycorp.com Port 62731*