

**Currency  
Exchange Rate  
Dashboard  
User  
Manual**

## **Abstract**

This document serves the purpose of guiding the users on using the currency exchange rate dashboard application that is deployed as a web application by using Heroku as the platform. The link to the dashboard application is stated below.

### **Currency Exchange Rate Dashboard**

<https://currency-exchange-rate-fe.herokuapp.com/>

The main objective of this web application is to provide a dashboard in helping the users to visualize and analyze the trends of currency exchange rate. The usage of the dashboard application is separated into different use cases. Each use case includes a unique ID (for searching purpose), description of the use case, step by step guidance with the pictures, the roles of the user which are involved in the use case and the expected final result.

**Notes:** The interactions with the application sometimes may not be responding due to the limited resources when using free-tier subscriptions on the Heroku platform which causes the Frontend and Backend servers to be deployed as different servers. This causes the possibility that the Backend server is booting when the HTTP requests are made by the Frontend server. Please try it again after about 20 seconds if any of the actions is not giving a valid response.

## **Terminologies**

<b>Vocabulary</b>	<b>Description</b>
Visitor	One of the user roles. It defines the user who is not logged in yet. They only have access to the landing pages which are the home page and login page of the website.
Admin	One of the user roles. It defines the user who has logged in as the admin. They have full access to the application.
Developer	One of the user roles. It defines the user who has logged in as the developer. They have access to everything in the application except for the list of users.
Viewer	One of the user roles. It defines the user who has logged in as the viewer. They access everything in the application except for the list of the users and adjust different features and algorithms used in the control panel.
Home Page	The landing page for the users who access the website
Login Page	The page for the unauthenticated users to login with their username and password
Logout Page	The page for the authenticated users to logout from their accounts
Change Password Page	The page for the authenticated users to change the password for their accounts
User Profile Page	The page for authenticated users to view their own profile, editing profile and password
User List Page	The page that shows the list of users available and their information
Dataset Page	The page that consists of a table which shows the dataset being used for the model developments and visualizations
Statistics Page	The page that consists of the statistics data of the dataset and the model performance evaluation
Dashboard Page	The page that consists of few interactive visualizations that could help in visualizing and analyzing the currency exchange rate

Control Panel	The control panel that will be shown only in Statistics Page and Dashboard Page which is used to control the features for the predictive model to be used
Actual vs Predicted Graph	A chart that is shown in the Dashboard Page for the users to visualize the trends of the currency exchange rate and the predicted currency exchange rate
Rate Conversion Panel	The panel in the Dashboard Page for the users to convert the values between the currencies

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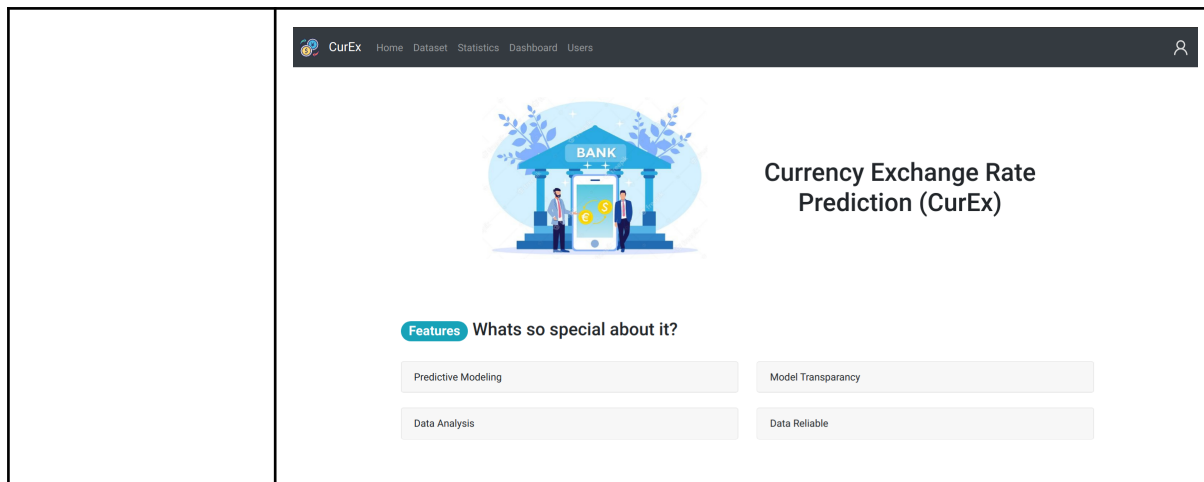
## User Accounts

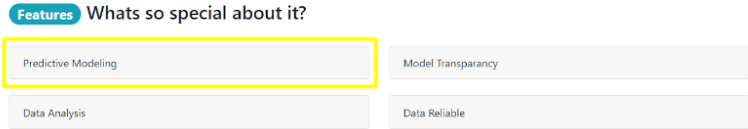
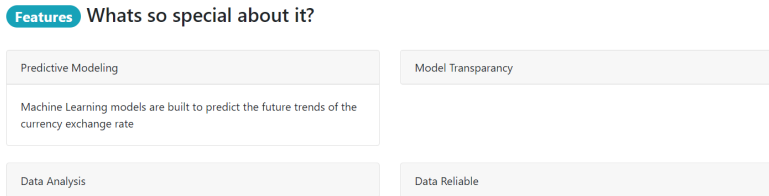
Here listed the user accounts available on the website:

Role	Username	Password
Admin	admin	admin
Developer	developer	developer
Viewer	viewer	viewer


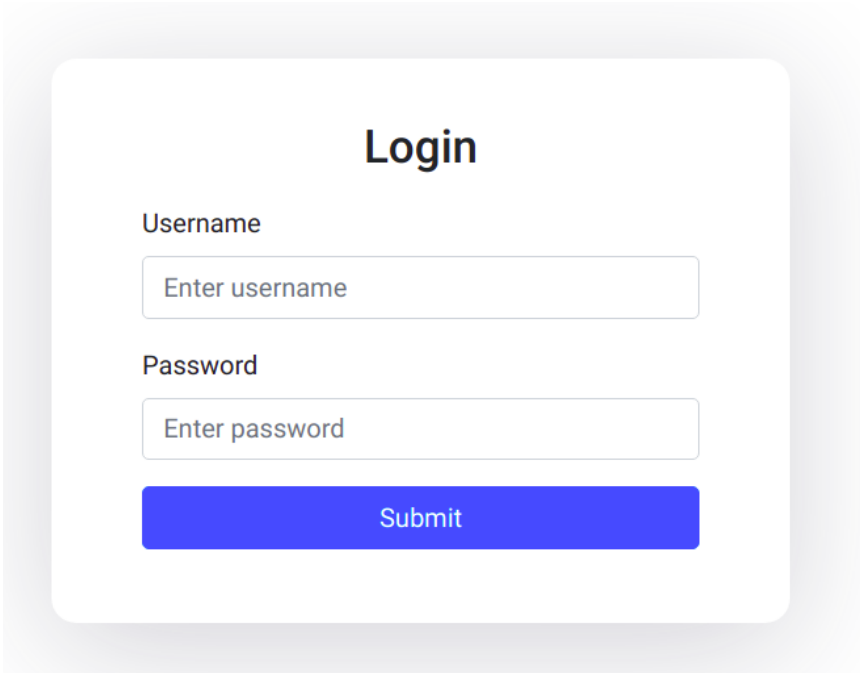
## Home Page

ID & Description	C-1 Access Home Page
Permissions	All users
Steps	<p>There are few ways to access the Home Page:</p> <ol style="list-style-type: none"> <li>I. User enters the website: <ol style="list-style-type: none"> <li>1) It is the first page to be seen when user access the website</li> </ol> </li> <li>II. User logout from his/her account: <ol style="list-style-type: none"> <li>1) Click on the “Back to Home Page” button</li> </ol> <div data-bbox="515 1142 1361 1292" data-label="Image"> </div> </li> <li>III. User is on the another page of the website: <ol style="list-style-type: none"> <li>1) Click on the logo, logo name or the “Home” button on the navigation bar.</li> </ol> <div data-bbox="474 1485 1388 1895" data-label="Image"> </div> </li> </ol>
Expected Result	User enters the Home Page



ID & Description	C-2 Show Details of Features
Permissions	All users
Steps	<p>1) Enter the Home Page by following the steps shown in C-1. 2) Click on one of the features in the Home Page.</p> 
Expected Result	<p>The further explanation of the features of the application is shown.</p> 



## Login & Logout Pages

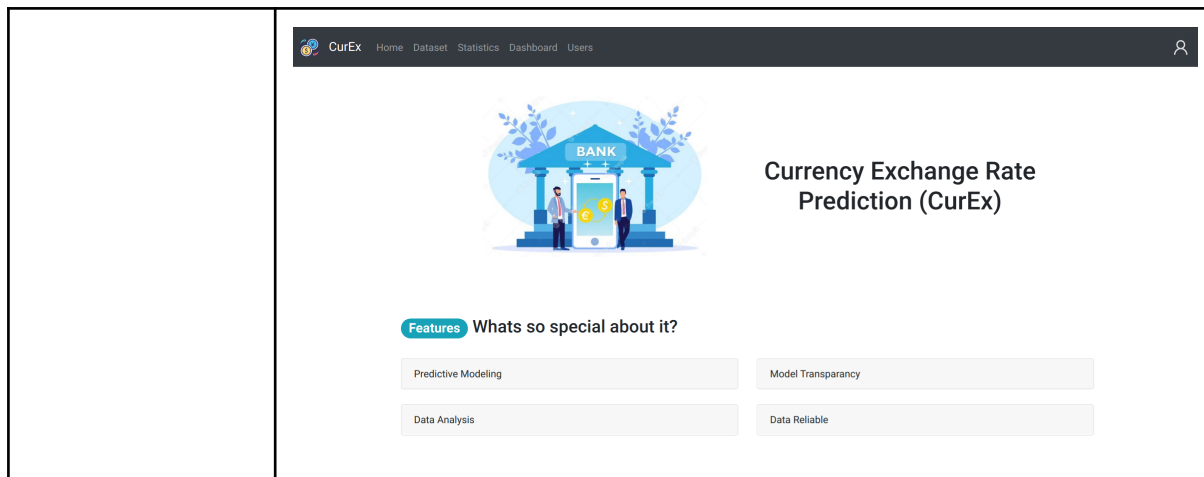
ID & Description	C-3 Login
Permissions	Unauthenticated Users Only (Visitor)
Steps	<p>1) Click on the login button on the navigation bar.</p>  <p>2) Enter the Login Page</p>  <p>3) Enter the username and password Notes: Make sure the username and password are entered correctly</p>



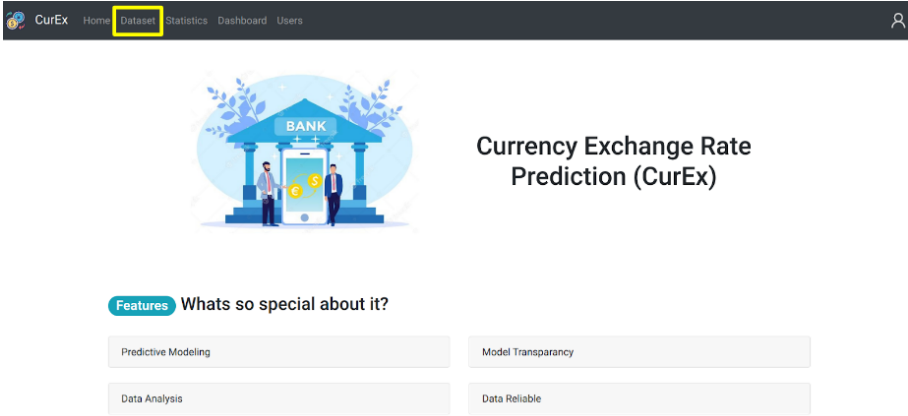
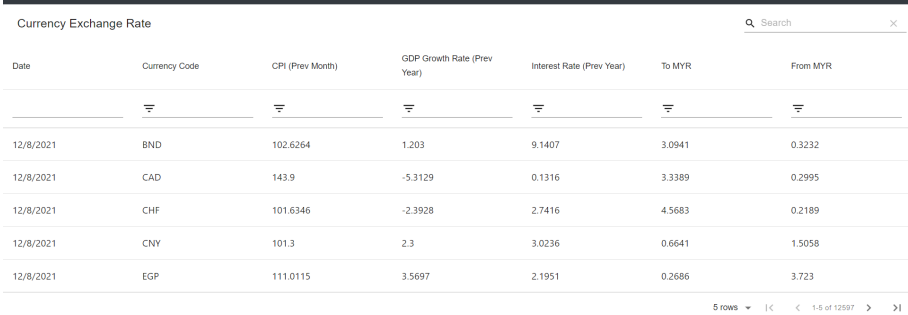
</

ID & Description	C-4 Logout
Permissions	All Authenticated Users
Steps	1) Click on the user icon

	<div data-bbox="477 208 1386 275"></div> <div data-bbox="552 510 1078 629"><h2>Currency Exchange Rate Prediction (CurEx)</h2></div> <div data-bbox="523 663 892 701"><p>2) Click the “Logout” button</p></div> <div data-bbox="477 701 1386 1021"><div data-bbox="1289 712 1348 779"></div><div data-bbox="1003 801 1370 1021"><div data-bbox="1059 835 1169 873">Profile</div><div data-bbox="1059 947 1179 985">Logout</div></div></div> <div data-bbox="523 1218 1377 1288"><p>3) Click on the “Back to Home Page” button to back to the Home Page</p></div> <div data-bbox="523 1339 1362 1487"><div data-bbox="539 1350 670 1366">You have been logout</div><div data-bbox="539 1397 865 1413">Click on the button below to return to the home screen.</div><div data-bbox="882 1451 1003 1467">Back to Home Page</div></div>
Expected Result	User successfully logout and enters the Home Page





## Dataset Page

ID & Description	C-5 Access Dataset Page
Permissions	All Authenticated Users
Steps	<p>1) Click on the "Dataset" button on the navigation bar.</p> 
Expected Result	<p>User enters the Dataset Page</p> 

ID & Description	C-6 Filter Data by All Columns
Permissions	All Authenticated Users
Steps	<p>1) Enter the Dataset Page by following the steps shown in C-3. 2) Enter the values to be searched.</p>

	<div><div></div><div><div><div>Q USD</div><div>X</div></div></div><div><div>To MYR</div><div>From MYR</div></div><div><div><div></div></div><div><div></div></div></div></div>																												
Expected Result	<div><div>The data that contain the value in either one of the columns will be shown</div><div>Currency Exchange Rate</div><table><tr><th>Date</th><th>Currency Code</th><th>CPI (Prev Month)</th><th>GDP Growth Rate (Prev Year)</th></tr><tr><td></td><td><div></div></td><td><div></div></td><td><div></div></td></tr><tr><td>12/8/2021</td><td>USD</td><td>126.8434</td><td>-3.4861</td></tr><tr><td>12/7/2021</td><td>USD</td><td>126.8434</td><td>-3.4861</td></tr><tr><td>12/6/2021</td><td>USD</td><td>126.8434</td><td>-3.4861</td></tr><tr><td>12/3/2021</td><td>USD</td><td>126.8434</td><td>-3.4861</td></tr><tr><td>12/2/2021</td><td>USD</td><td>126.8434</td><td>-3.4861</td></tr></table></div>	Date	Currency Code	CPI (Prev Month)	GDP Growth Rate (Prev Year)		<div></div>	<div></div>	<div></div>	12/8/2021	USD	126.8434	-3.4861	12/7/2021	USD	126.8434	-3.4861	12/6/2021	USD	126.8434	-3.4861	12/3/2021	USD	126.8434	-3.4861	12/2/2021	USD	126.8434	-3.4861
Date	Currency Code	CPI (Prev Month)	GDP Growth Rate (Prev Year)																										
	<div></div>	<div></div>	<div></div>																										
12/8/2021	USD	126.8434	-3.4861																										
12/7/2021	USD	126.8434	-3.4861																										
12/6/2021	USD	126.8434	-3.4861																										
12/3/2021	USD	126.8434	-3.4861																										
12/2/2021	USD	126.8434	-3.4861																										

ID & Description	C-7 Filter Data by One Column
Permissions	All Authenticated Users
Steps	<div><div>1) Enter the Dataset Page by following the steps shown in C-3.</div><div>2) Enter value on the column that is wished to be filtered.</div></div> <div>Currency Exchange Rate</div> <div><div><div>Date</div><div>Currency Code</div><div>CPI (Prev Month)</div></div><div><div><div>December 2nd</div><div></div></div><div><div></div></div></div></div>

Expected Result

The data that contains the value in the selected column will be shown.

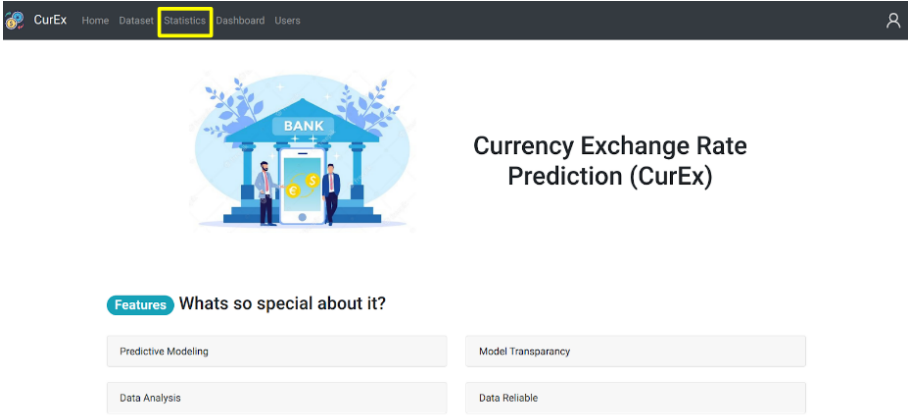
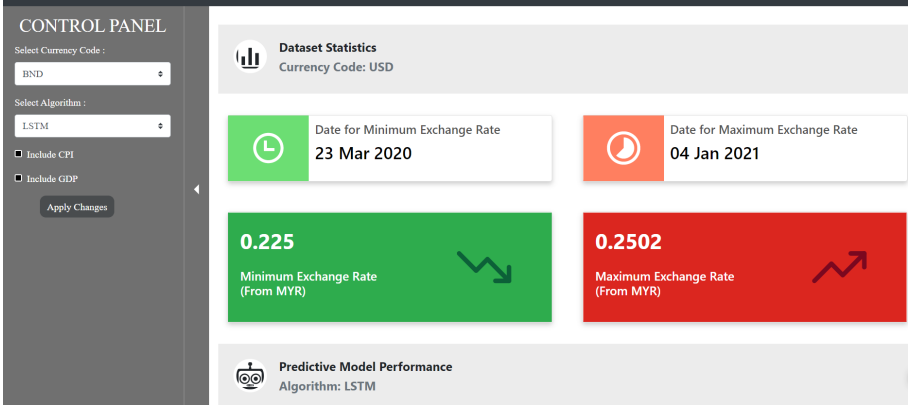
Currency Exchange Rate

Date	Currency Code	CPI (Prev Month)	GDP Growth Rate (Prev Year)
December 2nd	≡	≡	≡
12/2/2021	BND	102.6264	1.203
12/2/2021	CAD	143.9	-5.3129
12/2/2021	CHF	101.6346	-2.3928
12/2/2021	CNY	101.3	2.3
12/2/2021	EGP	111.0115	3.5697

ID & Description	C-8 Sort Data by One Column
Permissions	All Authenticated Users
Steps	<ol style="list-style-type: none"> <li>1) Enter the Dataset Page by following the steps shown in C-3.</li> <li>2) Click on the header of the column that is wished to be used to sort the data.</li> </ol>

	<div>Currency Code ↓</div> <div>≡</div> <div>BND</div> <div>CAD</div> <div>CHF</div> <div>CNY</div> <div>EGP</div>																												
Expected Result	<div>The data shown will be sorted by the selected column.</div> <table><tr><th>Date</th><th>Currency Code ↓</th><th>CPI (Prev Month) ↓</th><th>GDP Growth Rate (Prev Year)</th></tr><tr><td></td><td>≡</td><td>≡</td><td>≡</td></tr><tr><td>12/8/2021</td><td>BND</td><td>102.6264</td><td>1.203</td></tr><tr><td>12/7/2021</td><td>BND</td><td>102.6264</td><td>1.203</td></tr><tr><td>12/6/2021</td><td>BND</td><td>102.6264</td><td>1.203</td></tr><tr><td>12/3/2021</td><td>BND</td><td>102.6264</td><td>1.203</td></tr><tr><td>12/2/2021</td><td>BND</td><td>102.6264</td><td>1.203</td></tr></table>	Date	Currency Code ↓	CPI (Prev Month) ↓	GDP Growth Rate (Prev Year)		≡	≡	≡	12/8/2021	BND	102.6264	1.203	12/7/2021	BND	102.6264	1.203	12/6/2021	BND	102.6264	1.203	12/3/2021	BND	102.6264	1.203	12/2/2021	BND	102.6264	1.203
Date	Currency Code ↓	CPI (Prev Month) ↓	GDP Growth Rate (Prev Year)																										
	≡	≡	≡																										
12/8/2021	BND	102.6264	1.203																										
12/7/2021	BND	102.6264	1.203																										
12/6/2021	BND	102.6264	1.203																										
12/3/2021	BND	102.6264	1.203																										
12/2/2021	BND	102.6264	1.203																										

## Statistics Page

ID & Description	C-9 Access StatisticsPage
Permissions	All Authenticated Users
Steps	<p>1) Click on the “Statistics” button on the navigation bar.</p> 
Expected Result	<p>User enters the Statistics Page.</p> 

ID & Description	C-10 Select Currency Code in Statistics Page
Permissions	All Authenticated Users
Steps	<p>1) Click on the select field below “Select Currency Code” under the control panel and choose the desired currency code.</p>



# CONTROL PANEL

Select Currency Code :



BND

BND

CAD

CHF

CNY

EGP

HKD

IDR

INR

JPY

KRW

MMK

PHP

PKR

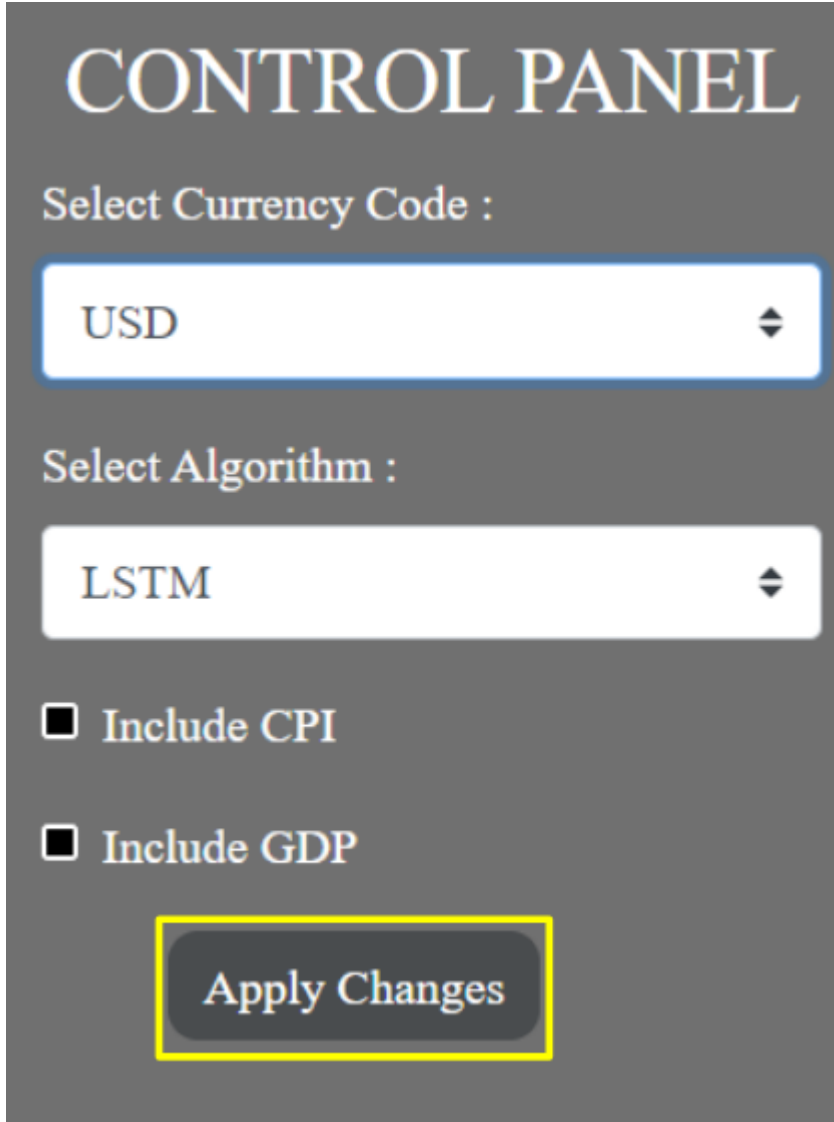
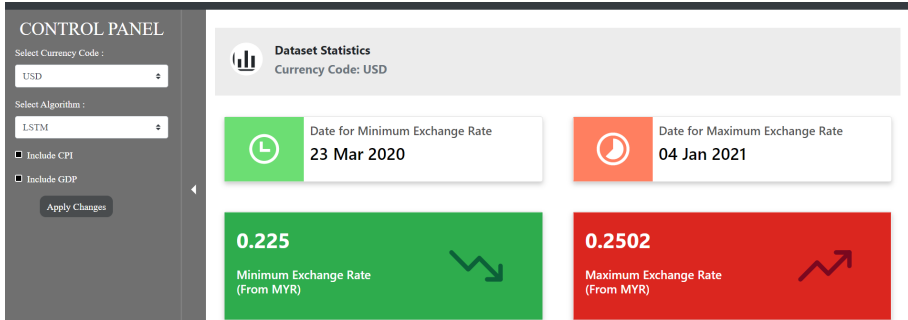
SGD

THB

USD

VND

2) Click on the "Apply Changes" button.

	
Expected Result	<p>The statistics shown will be according to the currency code that has been chosen.</p> 

ID & Description	C-11 Select Algorithm in Statistics Page
Permissions	Admin and Developer Only

Steps

- 1) Click on the field below “Select Algorithm” under the control panel and choose the desired algorithm to be used.



**CONTROL PANEL**

Select Currency Code :

USD

Select Algorithm :






LSTM

LSTM

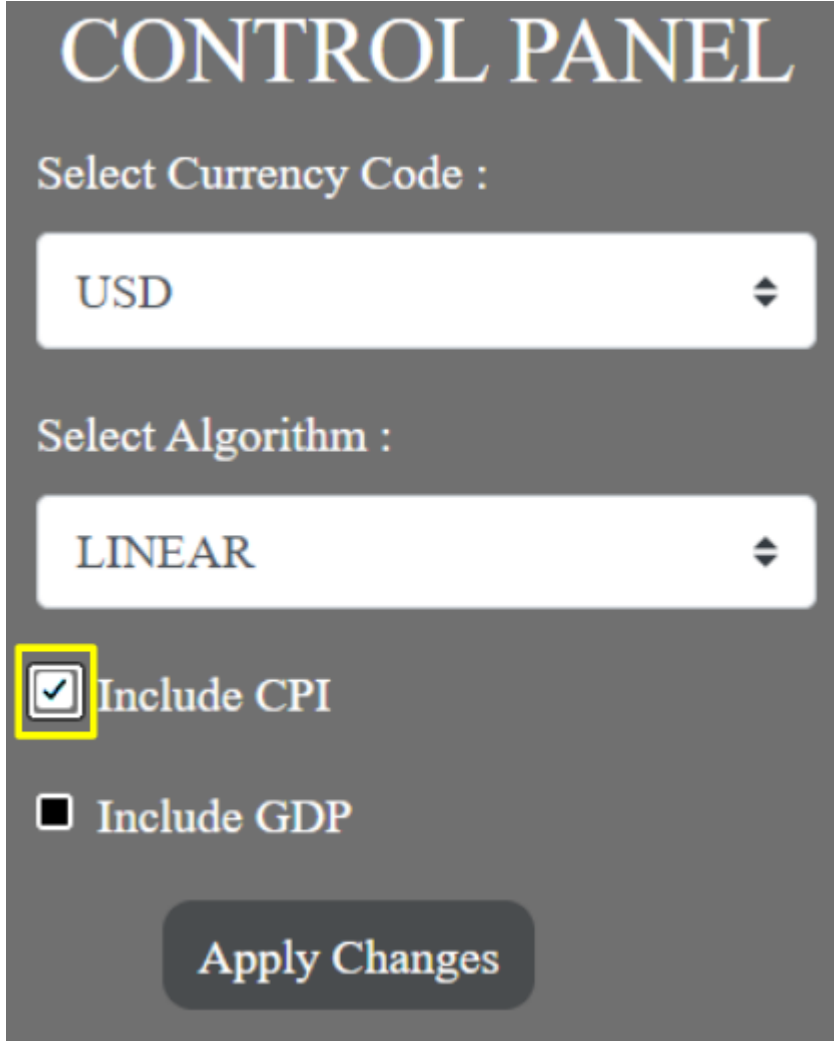
POLYNOMIAL


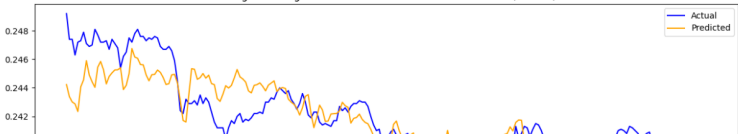
LINEAR

- 2) Click on the “Apply Changes” button.

	<div data-bbox="517 208 1342 1256"> <h2>CONTROL PANEL</h2> <p>Select Currency Code :</p> <div data-bbox="549 461 1331 573">USD</div> <p>Select Algorithm :</p> <div data-bbox="549 719 1331 831">LINEAR</div> <div data-bbox="549 893 845 943"> <input type="checkbox"/> Include CPI         </div> <div data-bbox="549 1014 866 1064"> <input type="checkbox"/> Include GDP         </div> <div data-bbox="668 1111 1064 1256"> <div>Apply Changes</div> </div> </div>
Expected Result	<p>The model performance shown will be according to the algorithm that has been chosen.</p> <div data-bbox="485 1377 1386 1848"> <div>  <b>Predictive Model Performance</b>            Algorithm: LINEAR         </div> <div> <div>-0.0112</div> <div>R Square</div>  </div> <div> <div>0.0034</div> <div>RMSE</div>  </div> <div> <div>0.0027</div> <div>MAE</div>  </div> <div> <p>Foreign Exchange Rate of MYR-USD with Window Size of 3 (LINEAR)</p>  </div> </div>

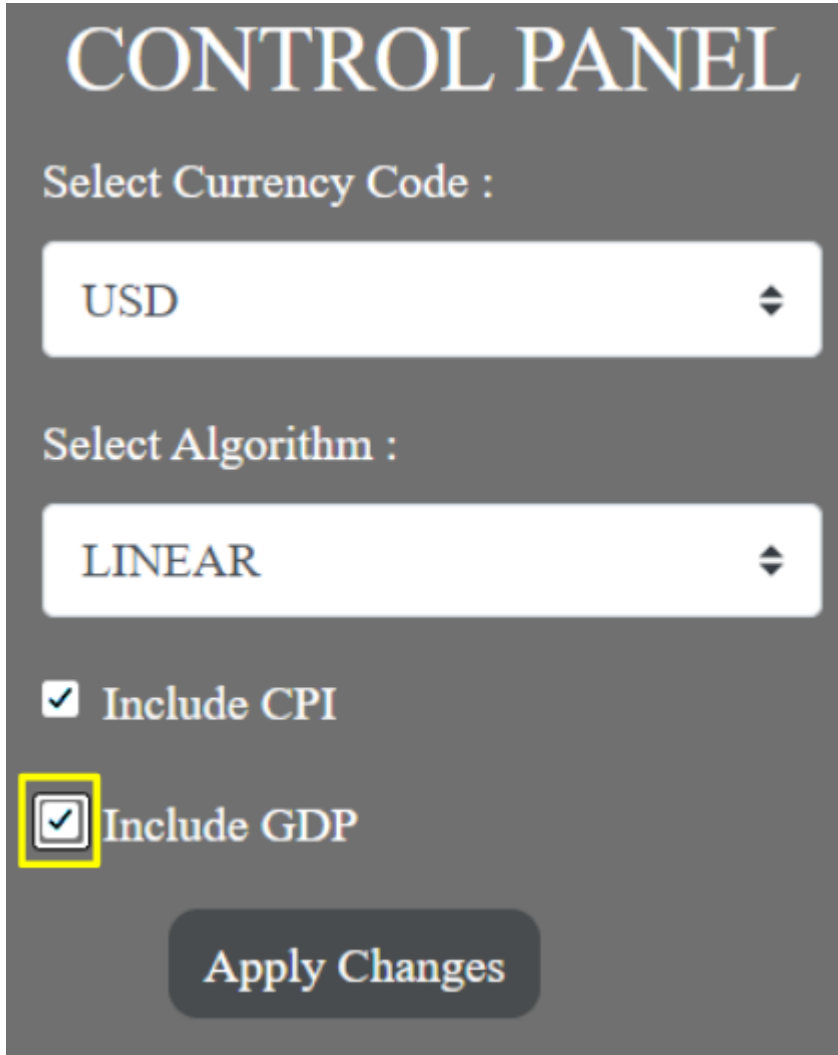
ID & Description	C-12 Include CPI in Statistics Page
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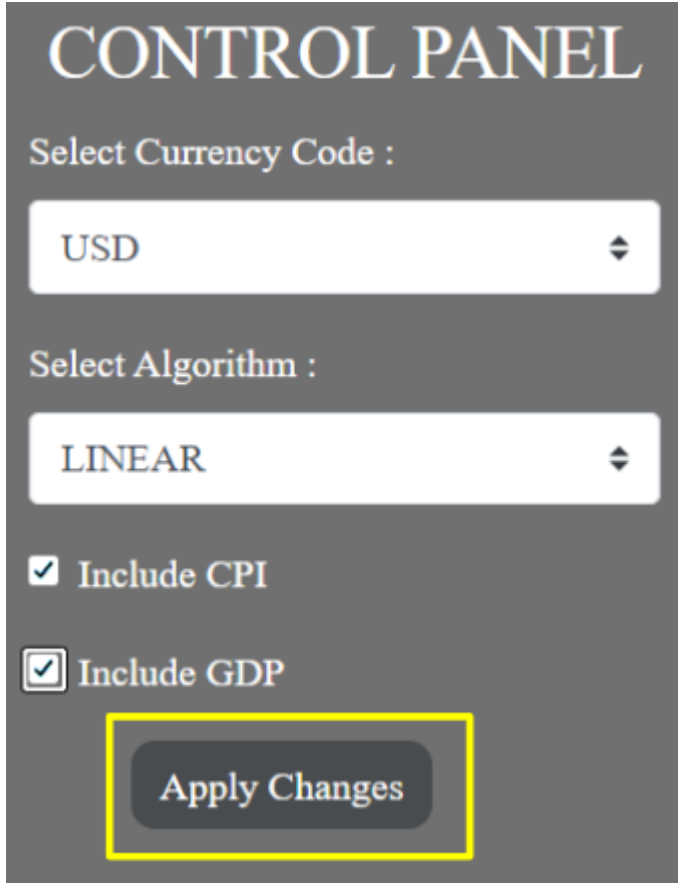
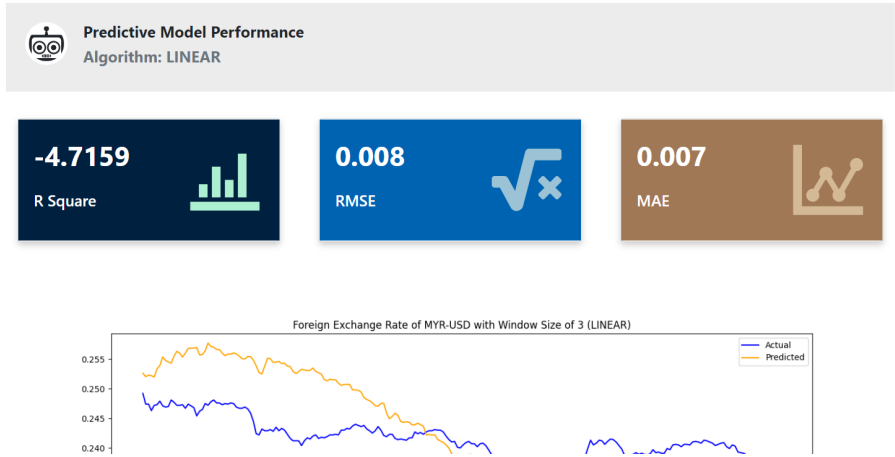
Permissions	Admin and Developer Only
Steps	<p>1) Click on the field beside “Include CPI” under the control panel and include/exclude CPI for the predictive model.</p>  <p>2) Click on the “Apply Changes” button.</p>

	<div data-bbox="513 210 1343 1265"> <h2>CONTROL PANEL</h2> <p>Select Currency Code :</p> <div data-bbox="544 461 1326 575">USD</div> <p>Select Algorithm :</p> <div data-bbox="544 721 1326 835">LINEAR</div> <div data-bbox="534 889 842 947"><input checked="" type="checkbox"/> Include CPI</div> <div data-bbox="541 1016 861 1066"><input type="checkbox"/> Include GDP</div> <div data-bbox="657 1104 1054 1247">Apply Changes</div> </div>
Expected Result	<p>The model performance shown will be according to whether the CPI is included.</p> <div data-bbox="486 1384 1383 1848"> <div data-bbox="496 1397 790 1473">  <b>Predictive Model Performance</b>            Algorithm: LINEAR         </div> <div data-bbox="496 1500 764 1624"> <b>0.6219</b>            R Square         </div> <div data-bbox="801 1500 1066 1624"> <b>0.0021</b>            RMSE         </div> <div data-bbox="1102 1500 1369 1624"> <b>0.0017</b>            MAE         </div> <div data-bbox="560 1697 1300 1848"> <p>Foreign Exchange Rate of MYR-USD with Window Size of 3 (LINEAR)</p>  </div> </div>

ID &amp; Description

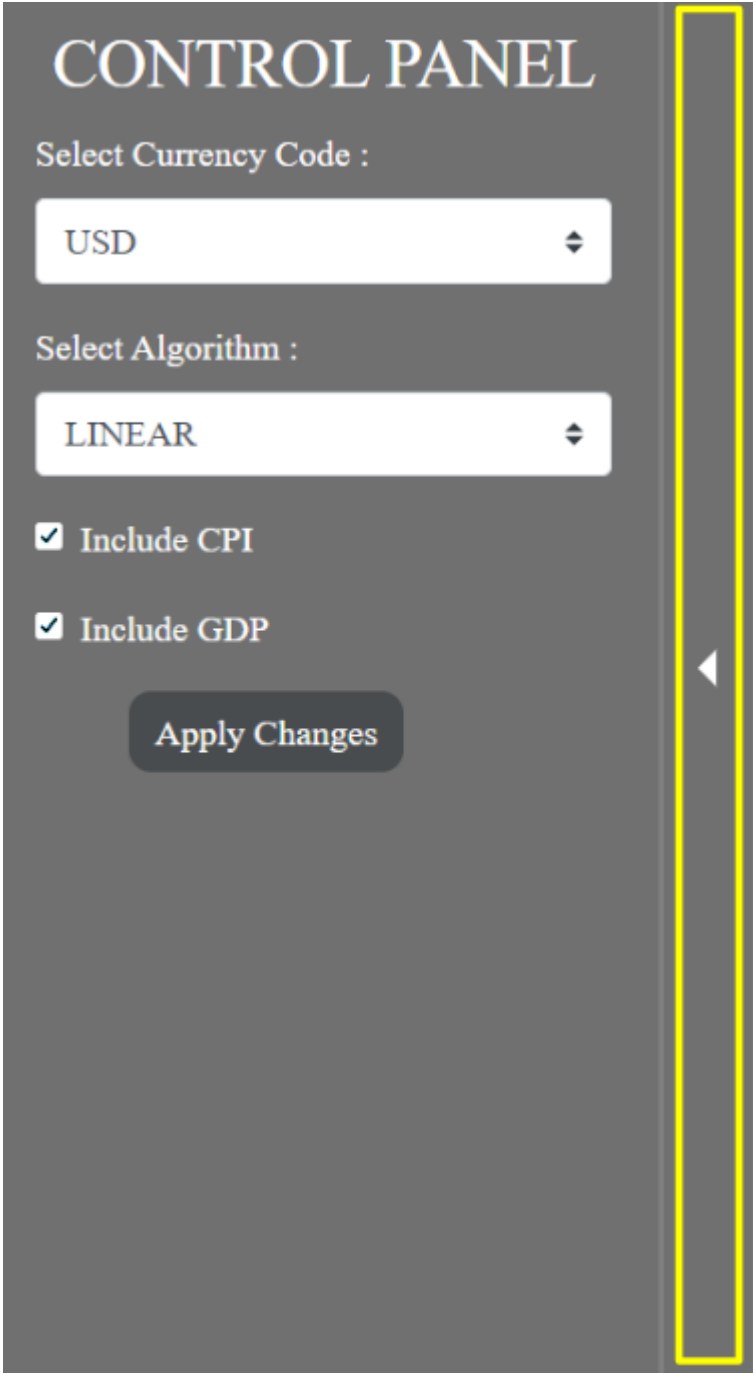
C-13 Include GDP in Statistics Page

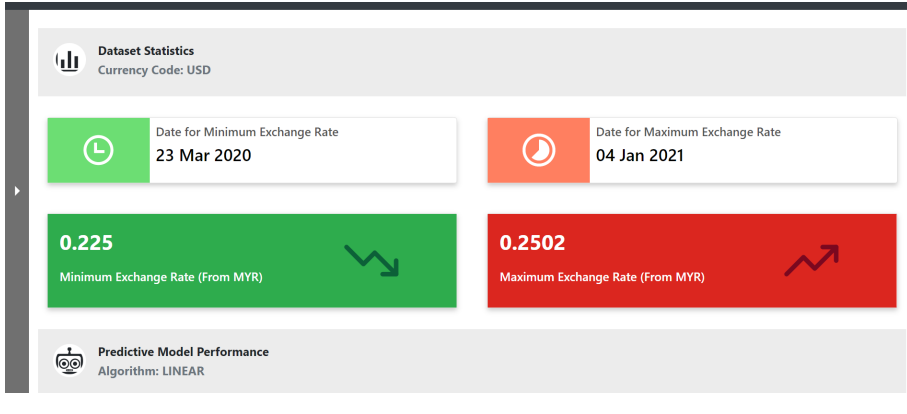
Permissions	Admin and Developer Only
Steps	<p>1) Click on the field beside “Include GDP” under the control panel and include/exclude GDP for the predictive model.</p>  <p>2) Click on the “Apply Changes” button.</p>

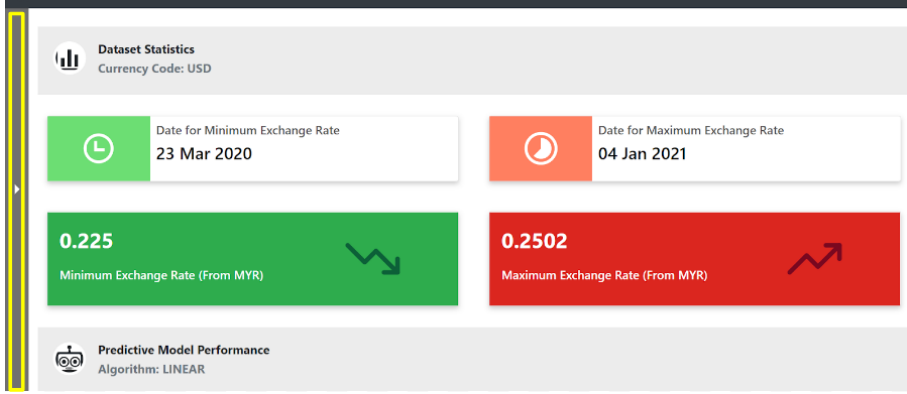
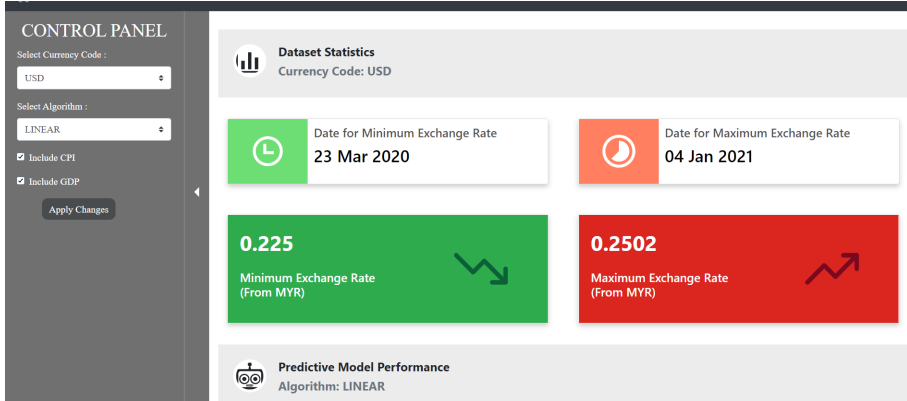
	
Expected Result	<p>The model performance shown will be according to whether the GDP is included.</p> 

ID & Description	C-14 Close Control Panel in Statistics Page
Permissions	All Authenticated Users
Steps	1) Click on the arrow beside the control panel.

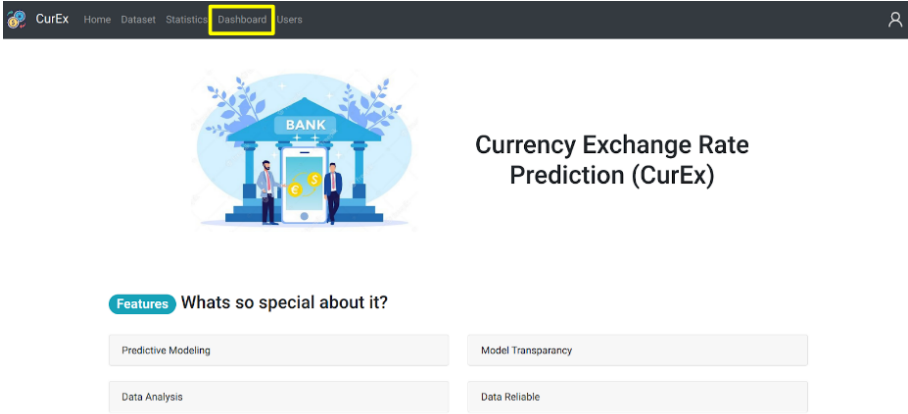
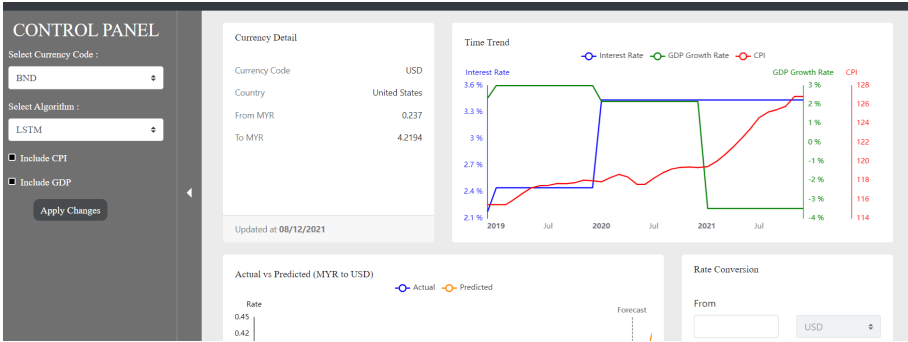


	
Expected Result	The control panel in the Statistics Page will be closed.




	
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ID & Description	C-15 Open Control Panel in Statistics Page
Permissions	All Authenticated Users
Steps	<p>1) Click on the arrow on the left of the page.</p> 
Expected Result	<p>The control panel in the Statistics Page will be opened.</p> 

## Dashboard Page

ID & Description	C-16 Access Dashboard Page
Permissions	All Authenticated Users
Steps	<p>1) Click on the “Dashboard” button on the navigation bar.</p> 
Expected Result	<p>User enters the Dashboard Page.</p> 

ID & Description	C-17 Convert Currency Code
Permissions	All Authenticated Users
Steps	<p>1) Enter a numeric value below “From” under the Rate Conversion Panel.</p>

	<div><h3>Rate Conversion</h3><p>From</p><div><input type="text" value="32.1"/> </div><div>USD </div><p>To</p><div><input type="text"/></div><div>BND </div><div><button>Calculate</button></div></div> <p>2) Select the currency code to be converted into below “To” under the Rate Conversion Panel.</p>
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## Rate Conversion

From

To

Calculate

3) Click on the "Calculate" button.

	<div><div>Rate Conversion</div><div><div>From</div><div><div>32.1</div><div>USD</div></div></div><div><div>To</div><div><div></div><div>BND</div></div></div><div><div>Calculate</div></div></div>
Expected Result	The value will be shown below the field under “To”.

	<div> <div>Rate Conversion</div> <div> <div>From</div> <div> <input type="text" value="32.1"/> <div> <div>USD</div> <div>⬆️⬆️</div> </div> </div> </div> <div> <div>To</div> <div> <div>43.775093568</div> <div> <div>BND</div> <div>⬆️⬆️</div> </div> </div> </div> <div> <div>Calculate</div> </div> </div>
--	---

ID & Description	C-18 Select Currency Code in Dashboard Page
Permissions	All Authenticated Users
Steps	1) Click on the select field below “Select Currency Code” under the control panel and choose the desired currency code.

# CONTROL PANEL

Select Currency Code :



BND

BND

CAD

CHF

CNY

EGP

HKD

IDR

INR

JPY

KRW

MMK

PHP

PKR

SGD

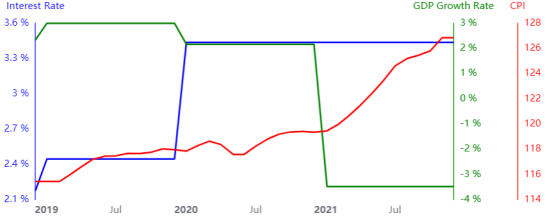

THB

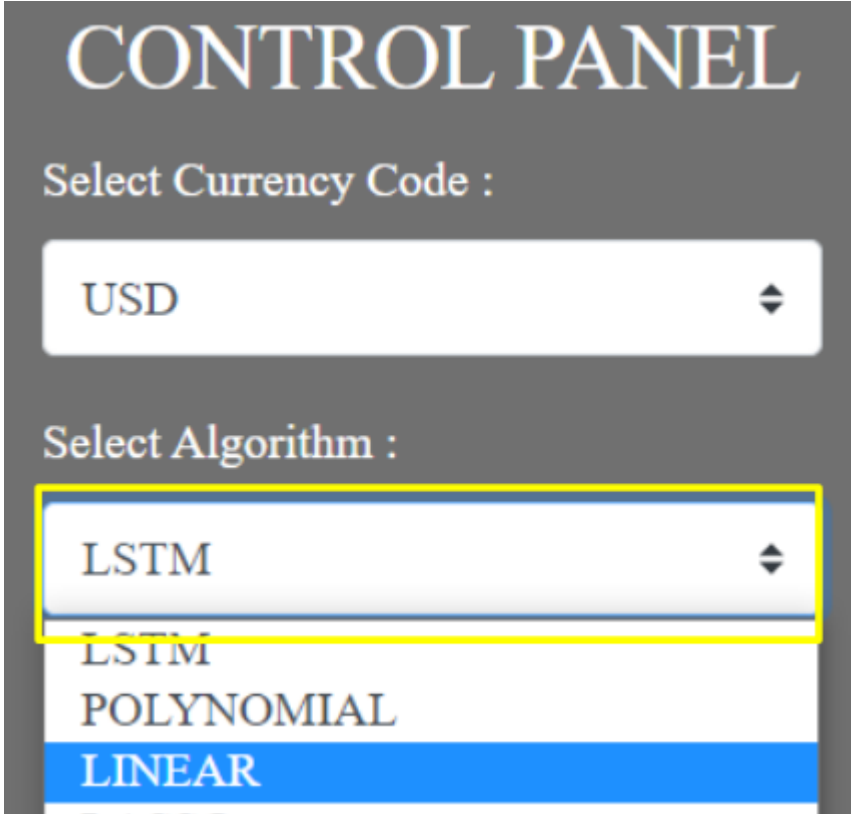
USD

VND

2) Click on the “Apply Changes” button.



	<div><h1>CONTROL PANEL</h1><p>Select Currency Code :</p><div>USD</div><p>Select Algorithm :</p><div>LSTM</div><div><input type="checkbox"/> Include CPI</div><div><input type="checkbox"/> Include GDP</div><div>Apply Changes</div></div>
Expected Result	<p>The dashboard shown will be according to the currency code that has been chosen.</p> <div><div><div>Currency Detail</div><div><div>Currency Code</div><div>USD</div></div><div><div>Country</div><div>United States</div></div><div><div>From MYR</div><div>0.237</div></div><div><div>To MYR</div><div>4.2194</div></div><div>Updated at 08/12/2021</div></div><div><div>Time Trend</div><div><div><div>Interest Rate</div><div>GDP Growth Rate</div><div>CPI</div></div><div></div></div></div><div><div><div>Actual vs Predicted (MYR to USD)</div><div><div><div>Actual</div><div>Predicted</div></div><div></div></div></div><div><div>Rate Conversion</div><div><div>From</div><div>32.1</div><div>USD</div></div><div><div>To</div><div>43.775093568</div><div>BND</div></div></div></div></div>

ID & Description	C-19 Select Algorithm in Dashboard Page
Permissions	Admin and Developer Only
Steps	<p>1) Click on the field below “Select Algorithm” under the control panel and choose the desired algorithm to be used.</p>  <p>2) Click on the “Apply Changes” button.</p>

# CONTROL PANEL

Select Currency Code :

USD

Select Algorithm :

LINEAR

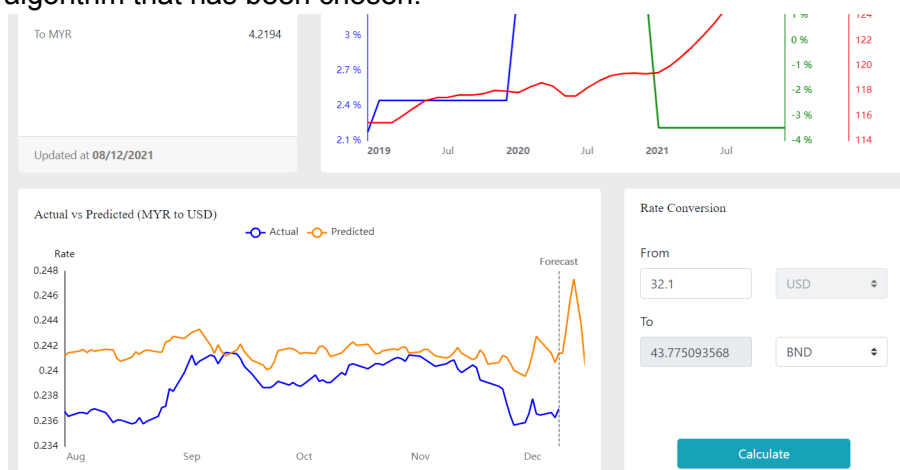
☐ Include CPI

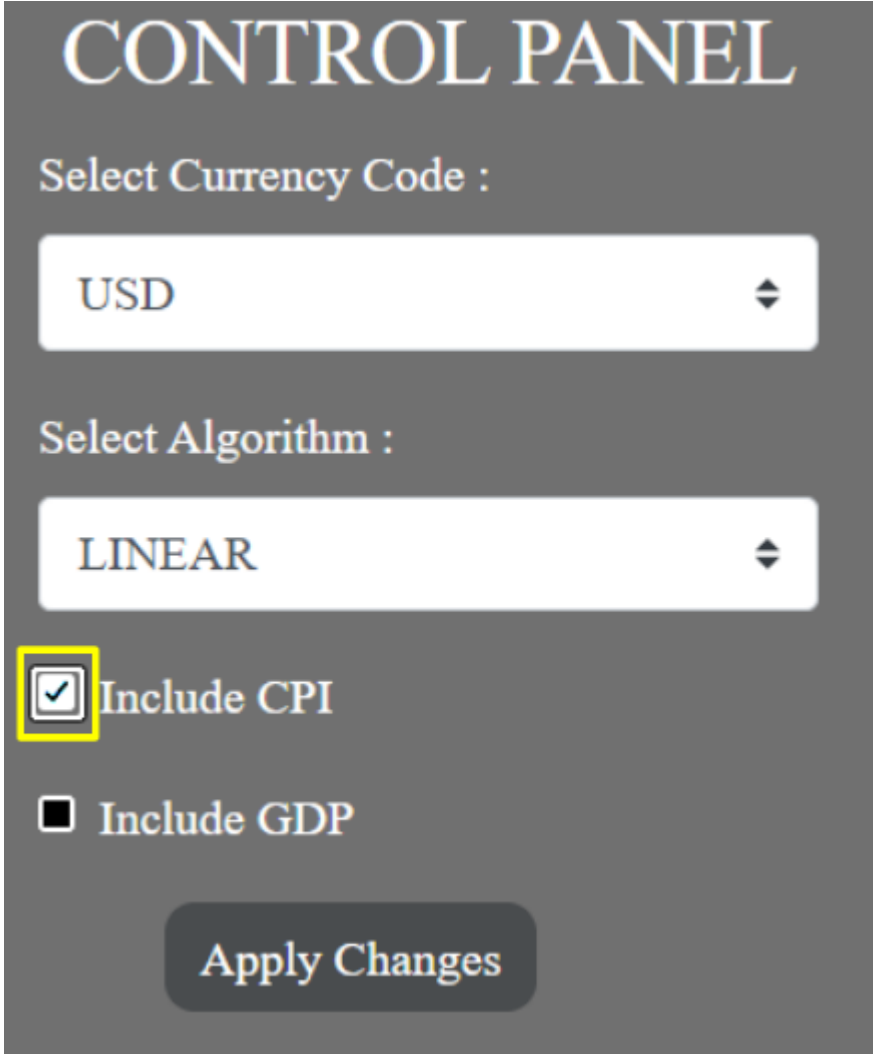
☐ Include GDP

Apply Changes

Expected Result

The Actual vs Predicted graph shown will be according to the algorithm that has been chosen.



ID & Description	C-20 Include CPI in Dashboard Page
Permissions	Admin and Developer Only
Steps	<p>1) Click on the field beside “Include CPI” under the control panel and include/exclude CPI for the predictive model.</p>  <p>2) Click on the “Apply Changes” button.</p>

# CONTROL PANEL

Select Currency Code :

USD

Select Algorithm :

LINEAR

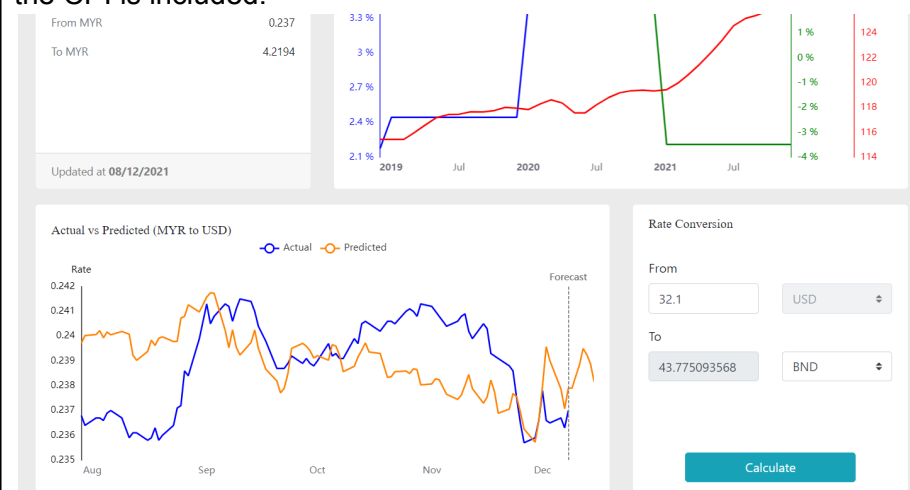
☒ Include CPI

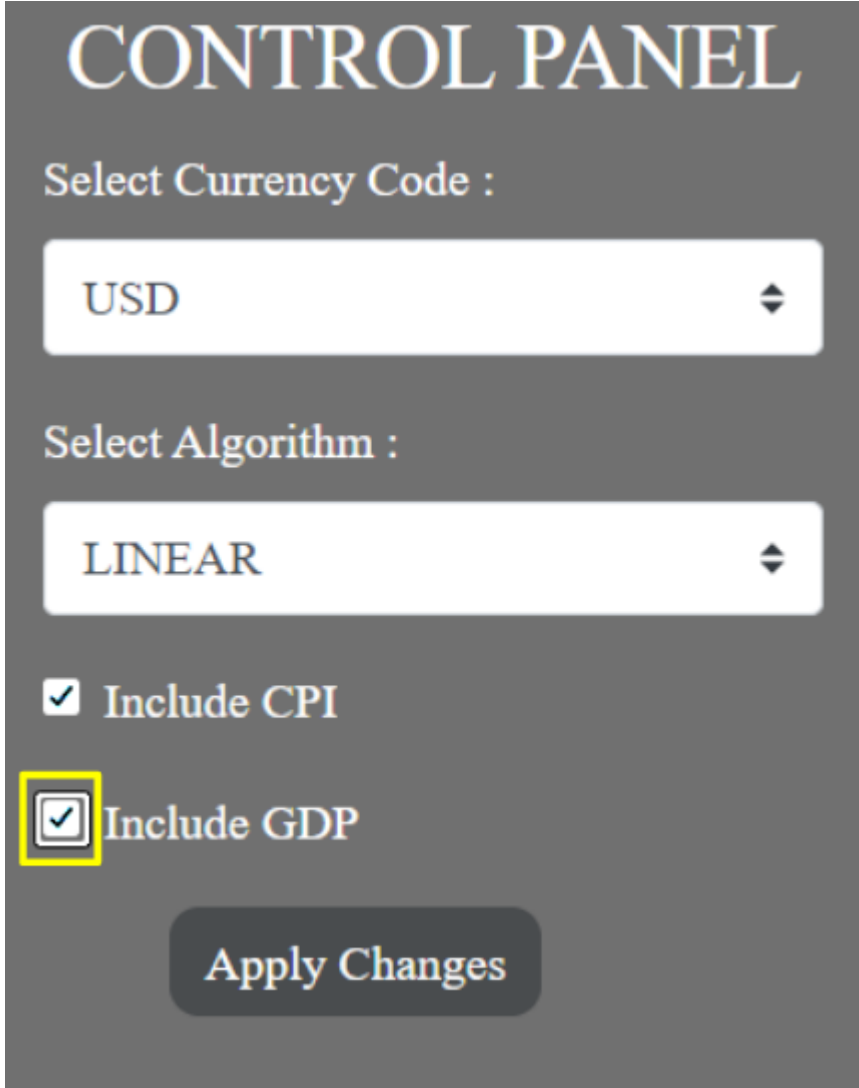
☐ Include GDP

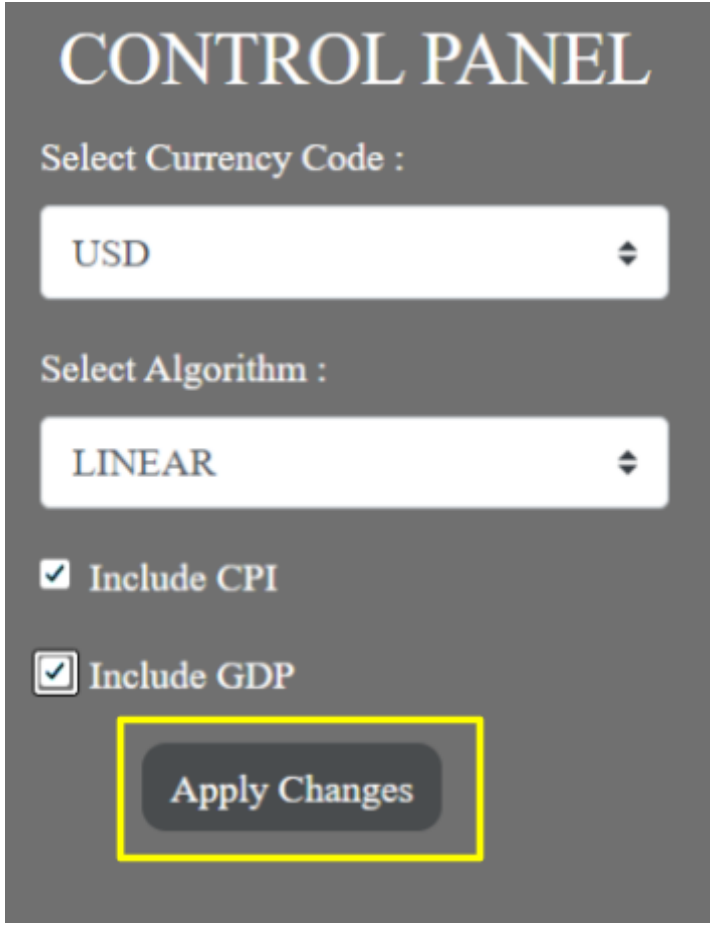
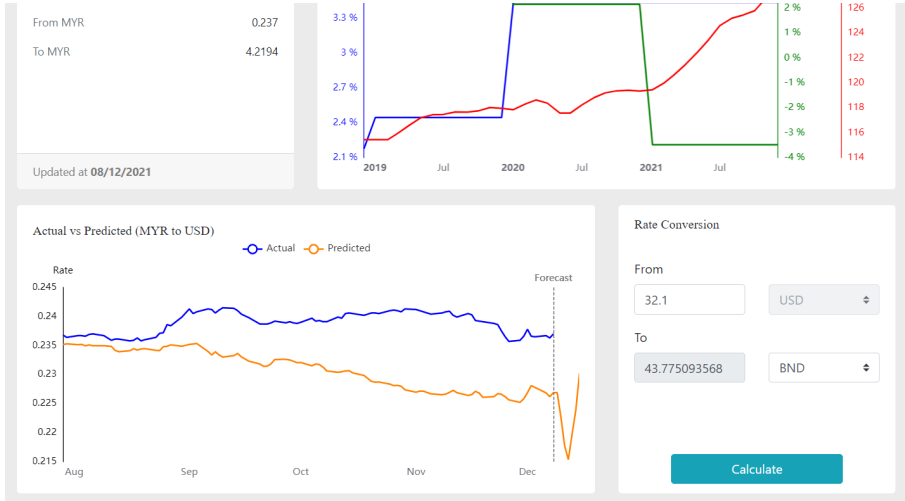
Apply Changes

Expected Result

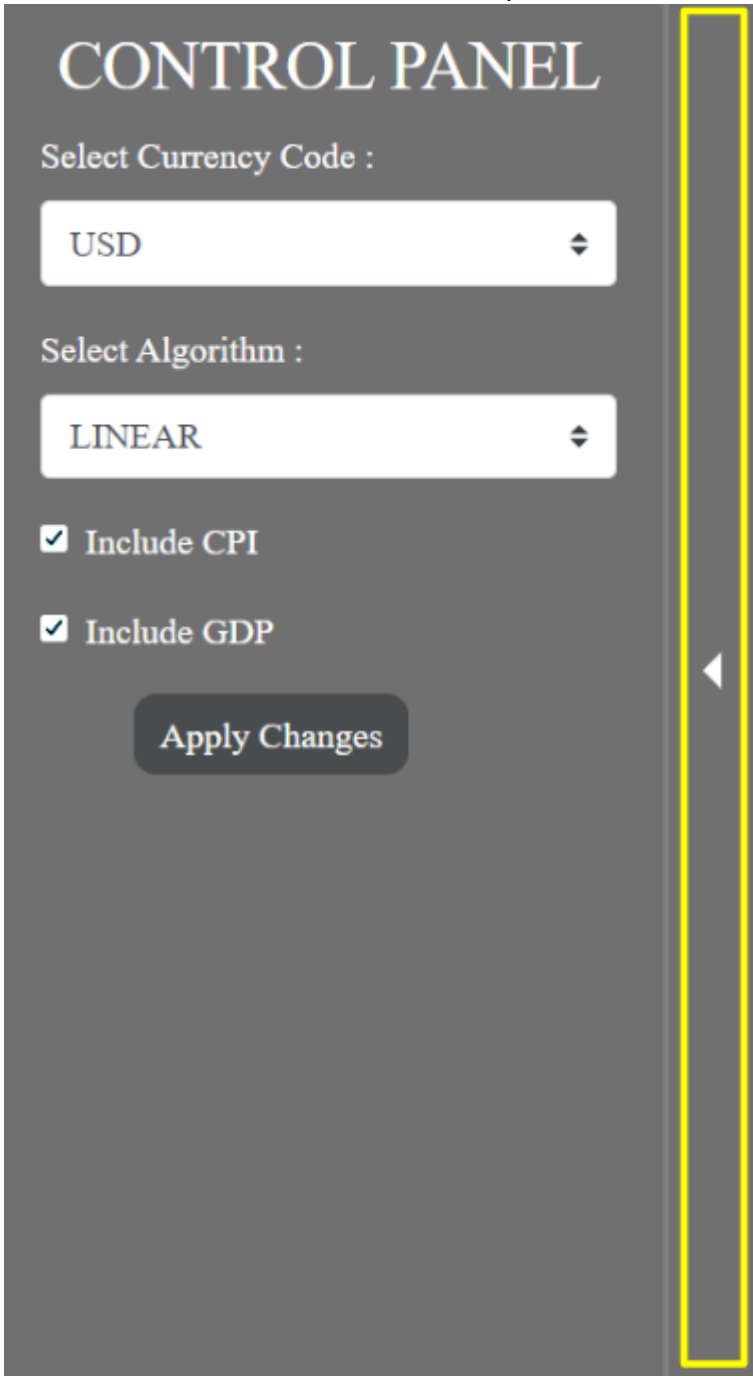
The Actual vs Predicted graph shown will be according to whether the CPI is included.



ID & Description	C-21 Include GDP in Dashboard Page
Permissions	Admin and Developer Only
Steps	<p>1) Click on the field beside “Include GDP” under the control panel and include/exclude GDP for the predictive model.</p>  <p>2) Click on the “Apply Changes” button.</p>



	
Expected Result	<p>The Actual vs Predicted graph shown will be according to whether the GDP is included.</p> 

ID & Description	C-22 Close Control Panel in Dashboard Page
Permissions	All Authenticated Users


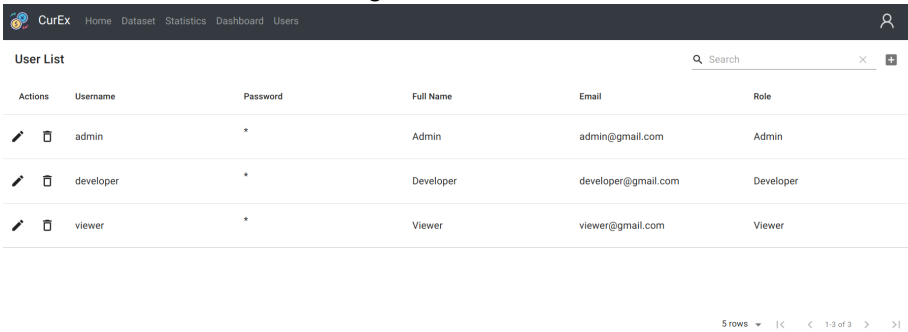
Steps	<p>1) Click on the arrow beside the control panel.</p> 
Expected Result	The control panel in the Dashboard Page will be closed.




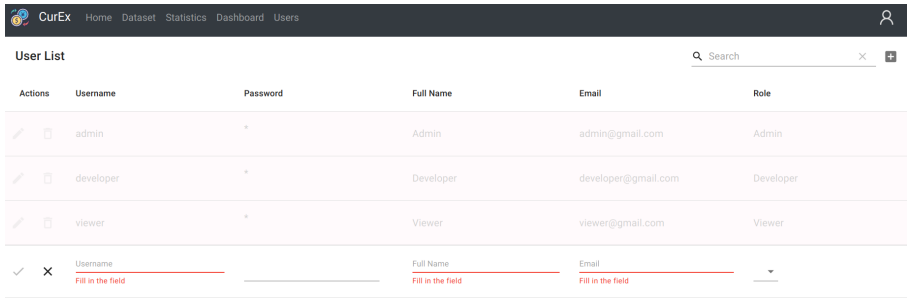
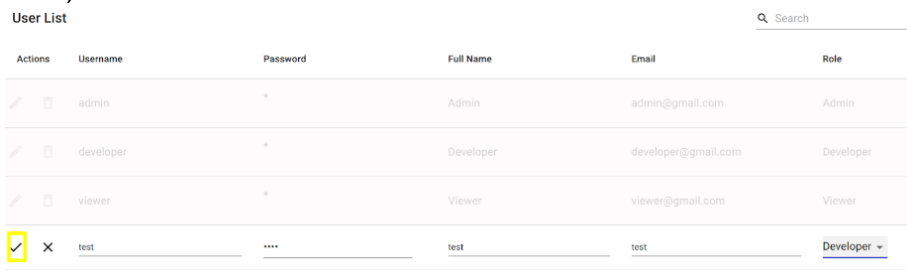
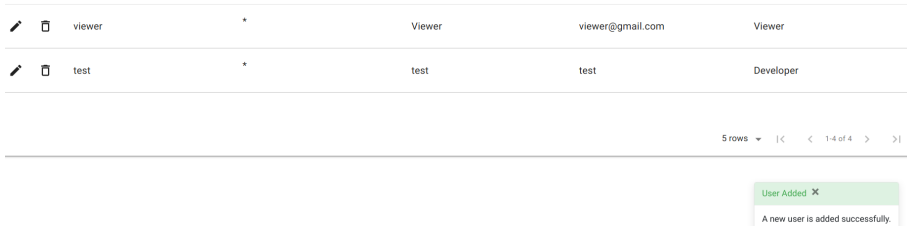


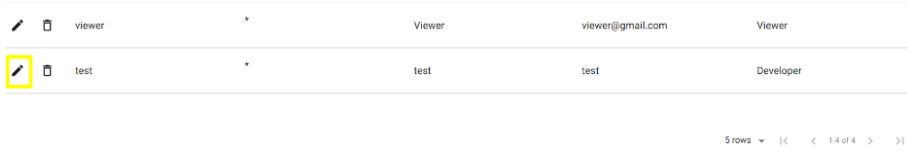
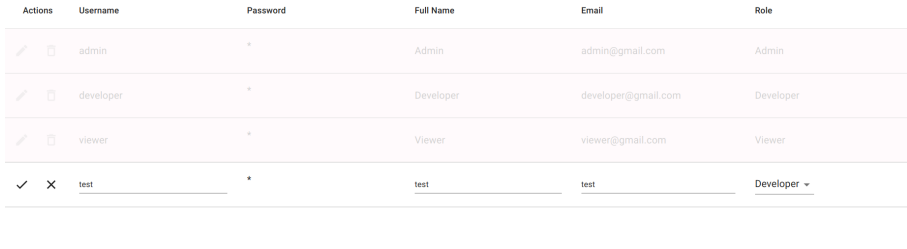
ID & Description	C-23 Open Control Panel in Dashboard Page
Permissions	All Authenticated Users
Steps	<p>1) Click on the arrow on the left of the page.</p> 
Expected Result	<p>The control panel in the Dashboard Page will be opened.</p> 









## User Page

ID & Description	C-24 Access User List Page
Permissions	Admin Only
Steps	<p>1) Click on the “Users” button on the navigation bar.</p> 
Expected Result	<p>User enters the User List Page.</p> 

ID & Description	C-25 Add User
Permissions	Admin Only
Steps	<p>1) Click on the plus icon</p>  <p>2) Fill in the information</p>

	 <p>3) Click on the tick button</p> 
Expected Result	<p>Successful notification is shown and the new row of data for the user is added</p> 









ID & Description	C-26 Edit User
Permissions	Admin Only
Steps	<p>1) Click on the pen icon.</p>  <p>2) Edit the information. Notes: The password of the user is not editable by the Admin.</p>  <p>3) Click on the tick icon.</p>

Actions	Username	Password	Full Name	Email	Role
 	admin	*	Admin	admin@gmail.com	Admin
 	developer	*	Developer	developer@gmail.com	Developer
 	viewer	*	Viewer	viewer@gmail.com	Viewer
 	test_edited	*	test_edited	test_edited	Developer

5 rows |< < 1-4 of 4 > >|

Expected Result

















































Successful notification is shown and the row of data for the user is changed.

Actions	Username	Password	Full Name	Email	Role
 	admin	*	Admin	admin@gmail.com	Admin
 	developer	*	Developer	developer@gmail.com	Developer
 	viewer	*	Viewer	viewer@gmail.com	Viewer
 	test	*	test	test	Developer

5 rows |< < 1-4 of 4 > >|

User Updated ✕

The info of the user is updated successfully.

ID & Description	C-27 Delete User																																																												
Permissions	Admin Only																																																												
Steps	<div>1) Click on the rubbish bin icon.</div> <table><thead><tr><th>Actions</th><th>Username</th><th>Password</th><th>Full Name</th><th>Email</th><th>Role</th></tr></thead><tbody><tr><td> </td><td>admin</td><td>*</td><td>Admin</td><td>admin@gmail.com</td><td>Admin</td></tr><tr><td> </td><td>developer</td><td>*</td><td>Developer</td><td>developer@gmail.com</td><td>Developer</td></tr><tr><td> </td><td>viewer</td><td>*</td><td>Viewer</td><td>viewer@gmail.com</td><td>Viewer</td></tr><tr><td> </td><td>test</td><td>*</td><td>test</td><td>test</td><td>Developer</td></tr></tbody></table> <div>5 rows  &lt; &lt; 1-4 of 4 &gt; &gt; </div> <div>2) Click on the tick icon.</div> <table><thead><tr><th>Actions</th><th>Username</th><th>Password</th><th>Full Name</th><th>Email</th><th>Role</th></tr></thead><tbody><tr><td> </td><td>admin</td><td>*</td><td>Admin</td><td>admin@gmail.com</td><td>Admin</td></tr><tr><td> </td><td>developer</td><td>*</td><td>Developer</td><td>developer@gmail.com</td><td>Developer</td></tr><tr><td> </td><td>viewer</td><td>*</td><td>Viewer</td><td>viewer@gmail.com</td><td>Viewer</td></tr><tr><td> </td><td colspan="5">Are you sure you want to delete this row?</td></tr></tbody></table> <div>5 rows  &lt; &lt; 1-4 of 4 &gt; &gt; </div>	Actions	Username	Password	Full Name	Email	Role	 	admin	*	Admin	admin@gmail.com	Admin	 	developer	*	Developer	developer@gmail.com	Developer	 	viewer	*	Viewer	viewer@gmail.com	Viewer	 	test	*	test	test	Developer	Actions	Username	Password	Full Name	Email	Role	 	admin	*	Admin	admin@gmail.com	Admin	 	developer	*	Developer	developer@gmail.com	Developer	 	viewer	*	Viewer	viewer@gmail.com	Viewer	 	Are you sure you want to delete this row?				
Actions	Username	Password	Full Name	Email	Role																																																								
 	admin	*	Admin	admin@gmail.com	Admin																																																								
 	developer	*	Developer	developer@gmail.com	Developer																																																								
 	viewer	*	Viewer	viewer@gmail.com	Viewer																																																								
 	test	*	test	test	Developer																																																								
Actions	Username	Password	Full Name	Email	Role																																																								
 	admin	*	Admin	admin@gmail.com	Admin																																																								
 	developer	*	Developer	developer@gmail.com	Developer																																																								
 	viewer	*	Viewer	viewer@gmail.com	Viewer																																																								
 	Are you sure you want to delete this row?																																																												
Expected Result	Successful notification is shown and the row of data for the user is deleted.																																																												

User List

Search

×

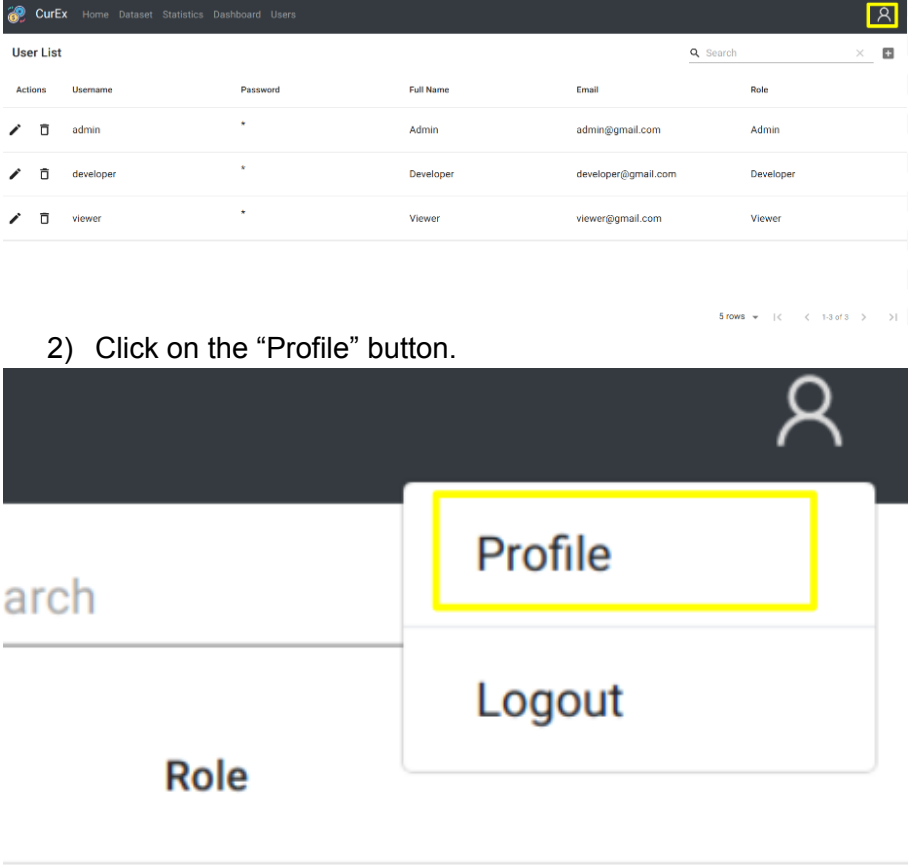
+

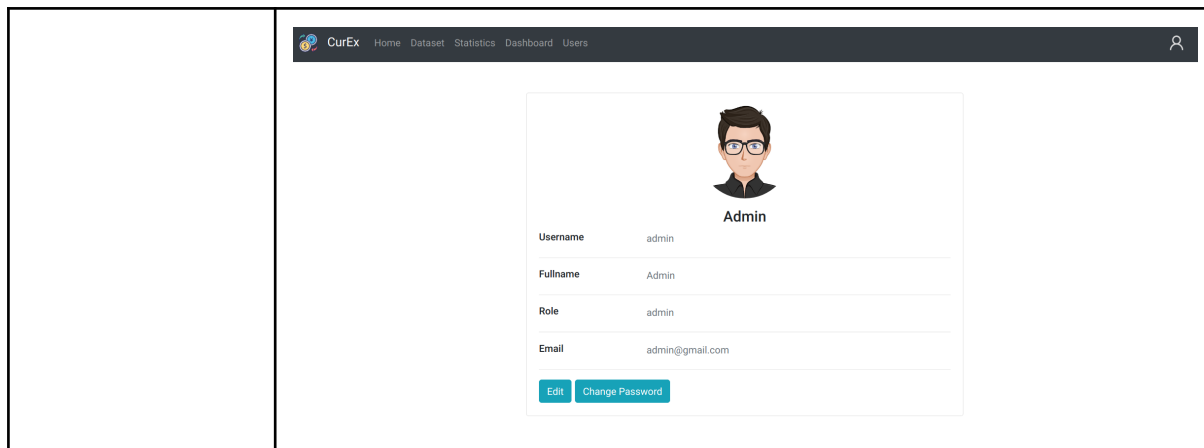
Actions	Username	Password	Full Name	Email	Role
<div><div></div><div></div></div>	admin	*	Admin	admin@gmail.com	Admin
<div><div></div><div></div></div>	developer	*	Developer	developer@gmail.com	Developer
<div><div></div><div></div></div>	viewer	*	Viewer	viewer@gmail.com	Viewer

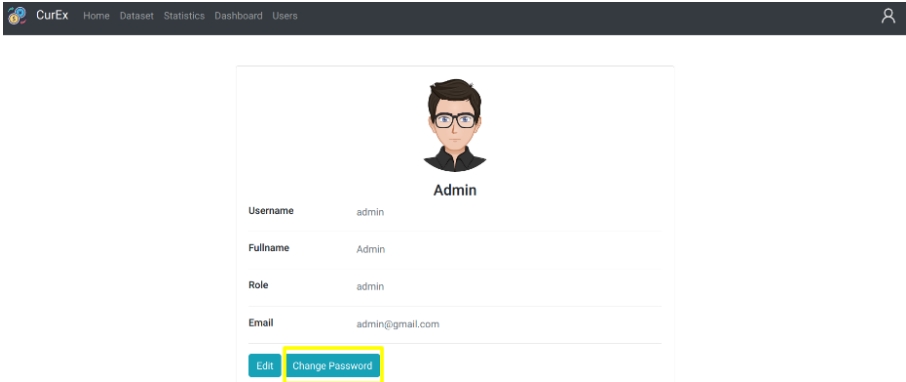
5 rows | < > 1-3 of 3 > |

User Deleted

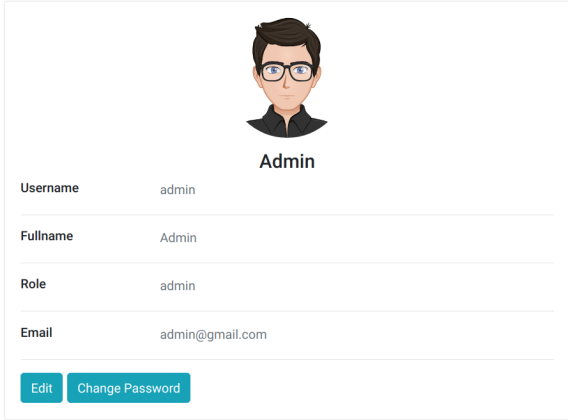
The user is deleted successfully.

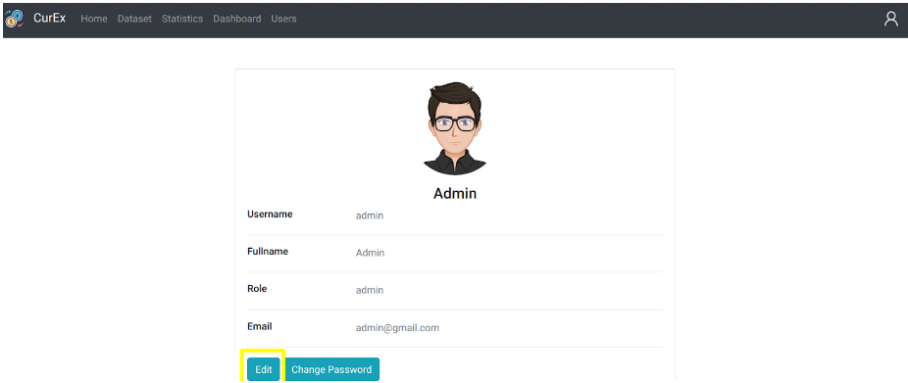
ID & Description	C-28 Access User Profile Page
Permissions	All Authenticated Users
Steps	<p>1) Click on the user icon on the navigation bar.</p>  <p>2) Click on the "Profile" button.</p>
Expected Result	User enters the User Profile Page.



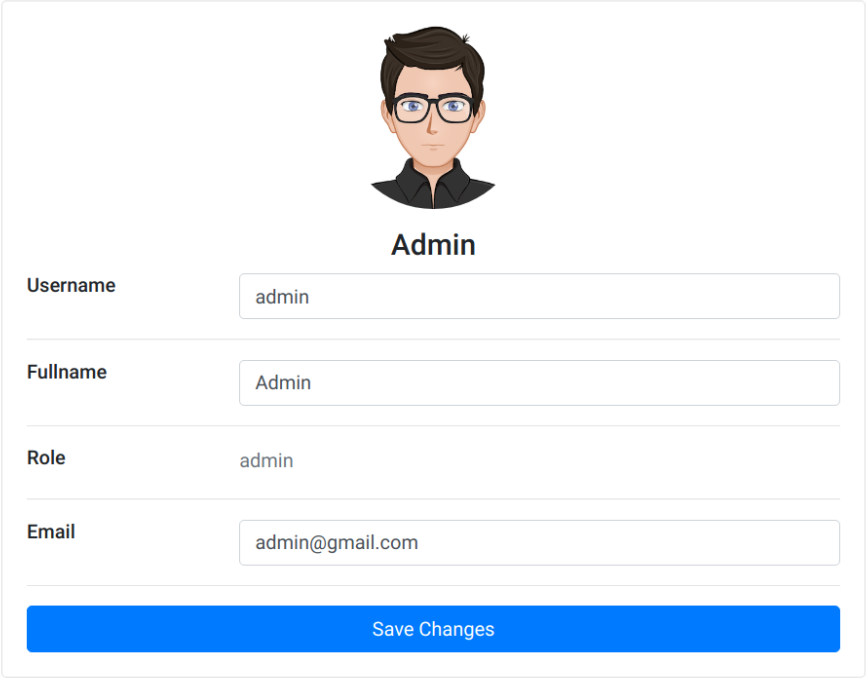
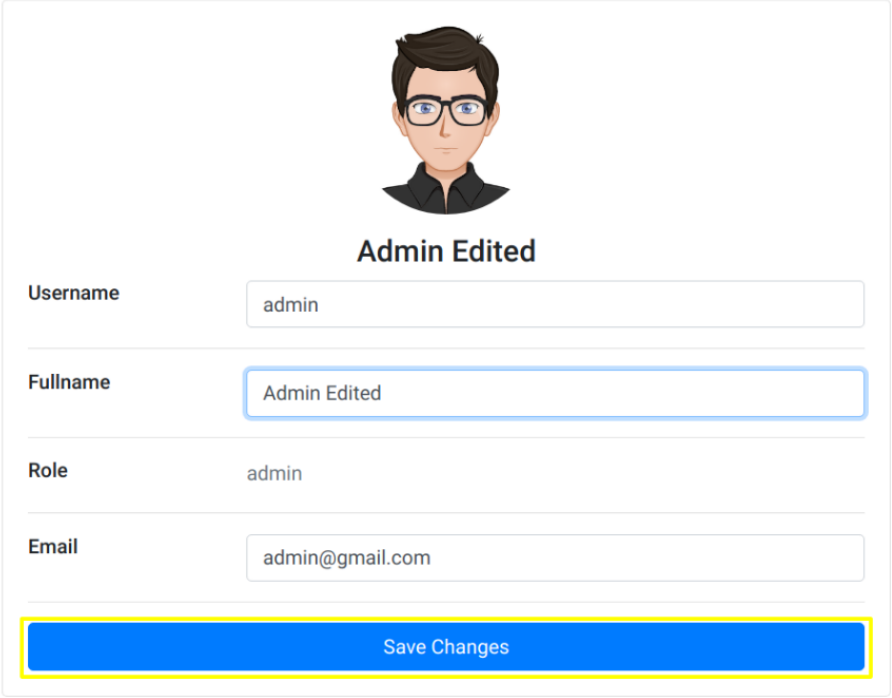
ID & Description	C-29 Change Password
Permissions	All Authenticated Users
Steps	<p>1) Enter the User Profile Page, may refer to C-20.            2) Click on the “Change Password” button.</p>  <p>3) Enter the Change Password Page.</p>


	<div><div><h3>Change Password</h3><p>Old Password</p><input type="password" value="Enter old password"/><p>New Password</p><input type="password" value="Enter new password"/><p>Submit</p></div><p>4) Fill in the old password and new password. Notes: Make sure the old password is correctly entered.</p><div><div><h3>Change Password</h3><p>Old Password</p><input type="password" value="....."/><p>New Password</p><input type="password" value="..... "/><p>Submit</p></div><p>5) Click the “Submit” button.</p></div></div>
Expected Result	Successful notification is shown and the password for the user is changed.

	<div>  <div> <p>Username admin</p> <p>Fullname Admin</p> <p>Role admin</p> <p>Email admin@gmail.com</p> <p> <a href="#">Edit</a> <a href="#">Change Password</a> </p> </div> </div> <div> <p>Password Updated ✕</p> <p>The password of the user is updated successfully.</p> </div>
--	---

ID & Description	C-30 Edit User Profile
Permissions	All Authenticated Users
Steps	<div> <p>1) Enter the User Profile Page, may refer to C-20.</p> <p>2) Click on the “Edit” button.</p> </div> <div>  </div> <div> <p>3) Edit the information.</p> </div>



	<div data-bbox="501 232 1369 907">  <p>A user profile card for 'Admin'. It features a cartoon avatar of a man with glasses and a black shirt. Below the avatar is the name 'Admin'. The card contains four input fields: 'Username' with 'admin', 'Fullname' with 'Admin', 'Role' with 'admin', and 'Email' with 'admin@gmail.com'. At the bottom is a blue 'Save Changes' button.</p> </div> <p>4) Click on the “Save Changes” button.</p> <div data-bbox="491 1014 1385 1709">  <p>The same user profile card as above, but the 'Fullname' field now contains 'Admin Edited' and is highlighted with a blue border. The 'Save Changes' button at the bottom is highlighted with a yellow border.</p> </div>
Expected Result	Successful notification is shown and the profile for the user is changed.



**Admin Edited**

<b>Username</b>	admin
<b>Fullname</b>	Admin Edited
<b>Role</b>	admin
<b>Email</b>	admin@gmail.com

EditChange Password

User Updated ✕

The info of the user is updated successfully.