Project 4 Task 2 – Currency Converter

Jing Zhan

Description:

My application takes converts the currency by prompting user to input a number, choose the from and to currency and give back the converting result.

Here is how my application meets the task requirements. On the other hand, you can also login by:

Id: jzhan1

Pw: 1a2b1c4d

To view the dashboard generated from MongoDB.

#### 1. Log useful information

The log data contains information such as search amount, search from currency, search to currency, rates for from and to currency based on Euro, visited model type, time.

### 2. Store the log information in a database

This is the screenshot from my mongodb shell query.

### 3.1. A unique URL addresses a web interface dashboard for the web service

		localhost	Ċ	
Java		glacial-plains-94265   Heroku	Surprise	Baby
	########	**************************************	#######	
		Currency converter		
	#########	#######################################	#######	
		Amount		
		From USD 🗘 To USD 🗘		
		Convert		
	#########	######################################	+########	
		Dashboard Login		
	########	***************************************	#######	
		ID:(jzhan1) jzhan1		
	Pass	sword: (1a2b1c4d) 1a2b1c4d		
		Login		

# 3.2. The dashboard displays at least 5

> phone: 7 browser:11

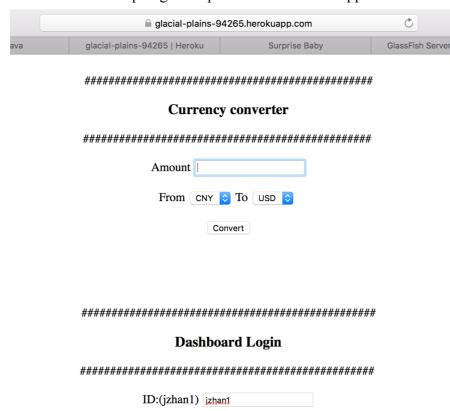
Number of visits from:

3.3. The dashboard displays at full logs

All records in the database:
{ "_id" : { "\$oid" : "\$82631c5b014a20eba750971" }, "searchAmount" : 5.0, "searchFrom" : "USD" , "searchTo" : "USD" , "fromRate" : "1.0904" , "toRate" : "1.0904" , "searchResult" : 5.0 , "phoneModel" : "Mozilla/5.0 (Macintosh: Intel Mac OS X 10 11 6) AppleWebKit/537,36 (KHTML, like Gecko) Chrome/54.0.2840.71 Safari/537.36" , "time" : "Fri Nov 11 16:01:57 EST 2016"}
{ "_id" : { "\$oid" : { "}oid" : { "\$oid" : {
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{ "_id" : { "Soid" : "58265c0bd5c22000049db558"} , "searchAmount" : 5.0 , "searchFrom" : "USD" , "searchTo" : "USD" , "fromRate" : "1.0904" , "toRate" : "1.0904" , "searchResult" : 5.0 , "phoneModel" : "Dalvik/2.1.0 (Linux; U; Android 7.1.1; Android SDK built for x86_64 Build/NPF10D)" , "time" : "Sat Nov 12 00:02:18 UTC 2016"}
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Sacratical Control of the Control
"phoneModel": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_11_6) AppleWebKit/602.2.14 (KHTML, like Gecko) Version/10.0.1 Safari602.2.14", "time": "Fri Nov 11 21:03:59 EST 2016") { "id": { "Soid": "S\$267898b014a20eba195b9"}, "search.mount": 50.0 "searchFrom": "CNY", "searchTo": 'USD", "fromRate": "7.4198", "toRate": "1.0904", "searchResult": 7.247906951669857,
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## 4. Deploy the web service to Heroku

Deploy to Heroku. url is https://glacial-plains-94265.herokuapp.com



Password: (1a2b1c4d) 1a2b1c4d

Login