

Macquarie Engineering: Coding Challenge

The sample application being requested by the candidate to build the **backend** service needed to support a web application to that allows an user to view transactions on any of the accounts they hold.

Required functionality:

1. View account list
2. View account transactions

Technology Guidelines:

UI

Not applicable and outside of the scope of this project.

Backend Server

Utilise standard java and spring boot and other spring projects as a base.
Add any other framework as necessary.

Account List Enquiry

After logging in (outside of scope), a user will be presented with a list of their accounts in a table, with the basic account attributes on display (Account Number, Account Name, Account Type, Balance Data, Currency, Opening Available Balance)

Account Number	Account Name	Account Type	Balance Date	Currency	Opening Available Bala...
585309209	SGSavings726	Savings	08/11/2018	SGD	84,327.51
791066619	AUSavings933	Savings	08/11/2018	AUD	88,005.93
321143048	AUCurrent433	Current	08/11/2018	AUD	38,010.62
347786244	SGCurrent166	Current	08/11/2018	SGD	50,664.65
680168913	AUCurrent374	Current	08/11/2018	AUD	41,327.28
136056165	AUSavings938	Savings	08/11/2018	AUD	48,928.79
453963528	SGSavings842	Savings	08/11/2018	SGD	72,117.53
334666982	AUSavings253	Savings	08/11/2018	AUD	20,588.16
793949180	AUCurrent754	Current	08/11/2018	AUD	88,794.48
768759901	SGCurrent294	Current	08/11/2018	SGD	5,906.55
847257972	AUCurrent591	Current	08/11/2018	AUD	92,561.68

Account Transaction Enquiry

Upon selecting an account, an user will be presented with a list of of transactions made on the selected account as a new screen. The user can navigate back to the account selection screen to reselect a different account.

Account Number	Account Name	Value Date	Currency	Debit Amount	Credit Amount	Debit/Credit	Transaction Narrative
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		9,540.98	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		7,497.82	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		5,564.79	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		8,136.18	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		9,442.46	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		7,614.45	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		3,311.55	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		9,186.09	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		1,905.86	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		197.78	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		8,430.49	Credit	
123-2223-212	Currenct Account	Jan. 12, 2012	SGD		8.33	Credit	