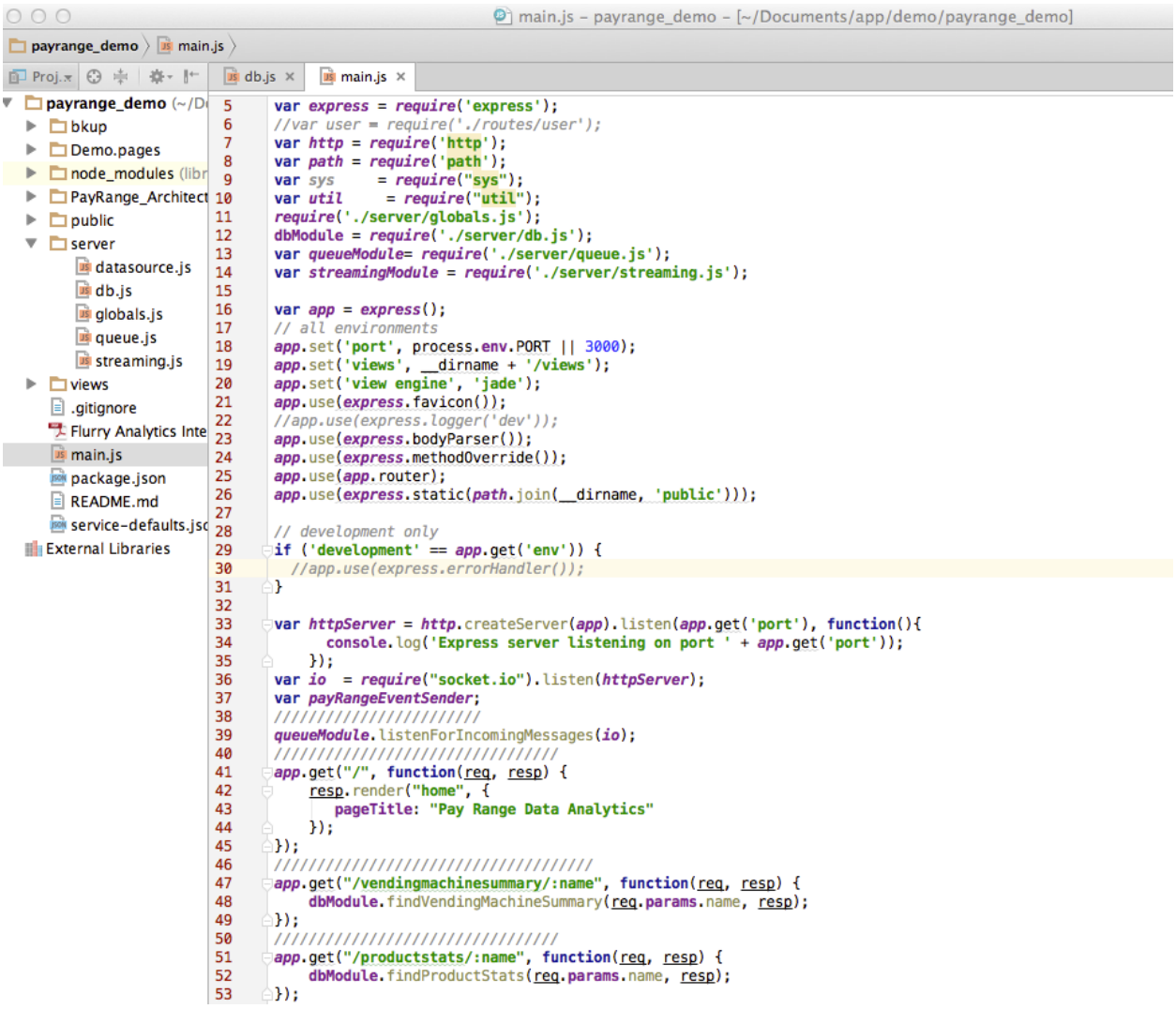
Analytics App Demo

Development Environment

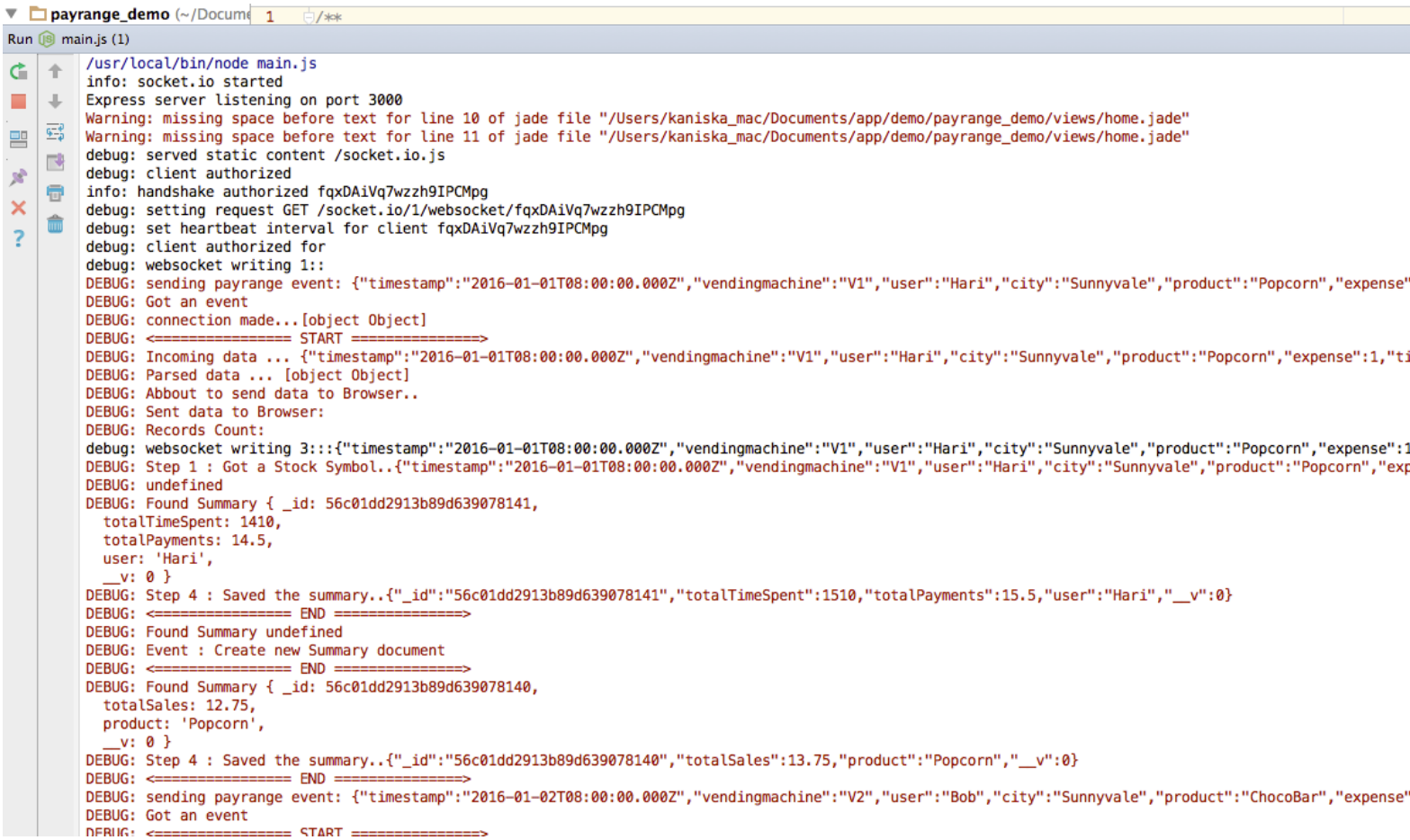


Runtime :

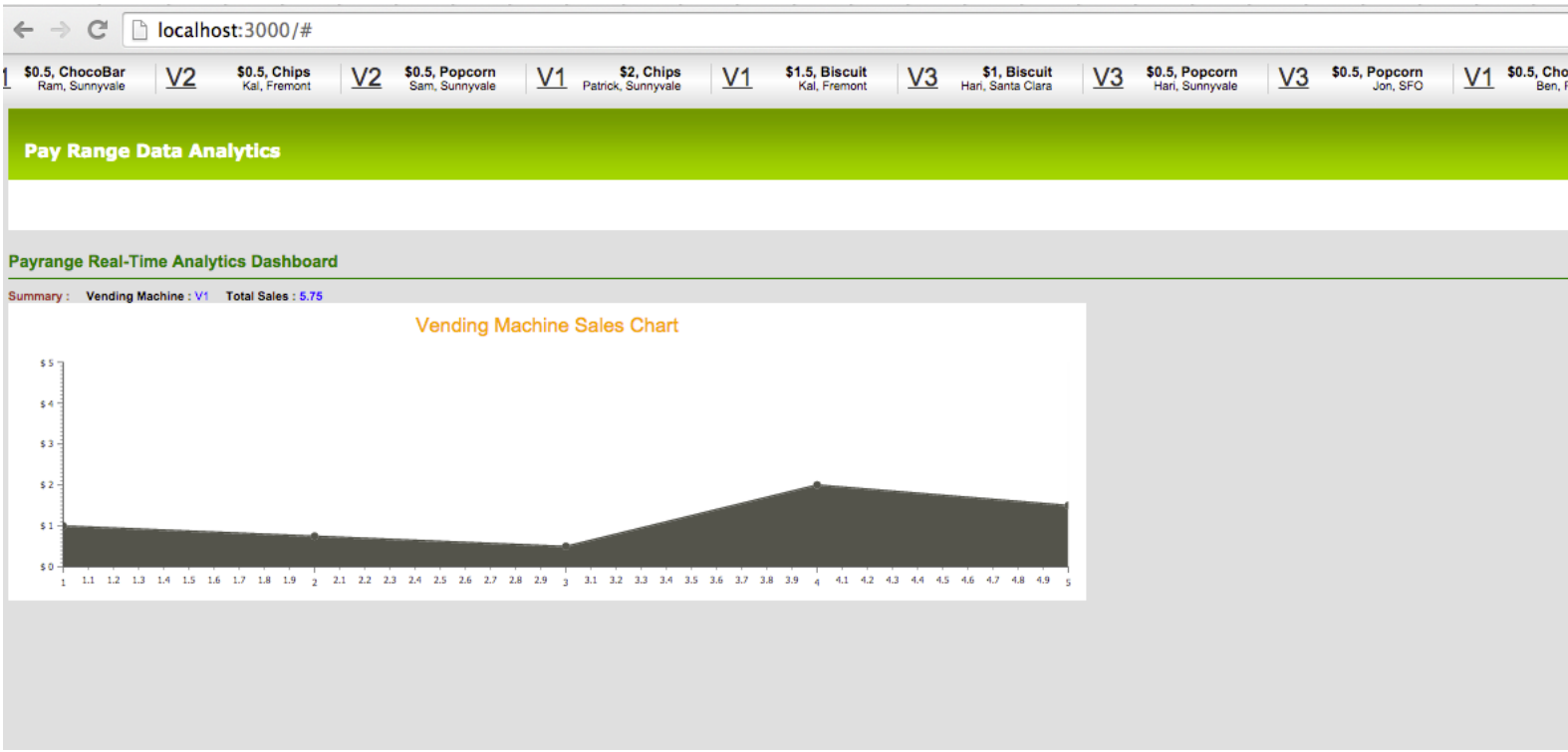
Start services :
>> mongod —dbpath=/data/mongo
>> redis-server
>> node main.js

Next we see in the console log :

=> data streams are ingested
=> features are extracted
=> messages are sent to queue
=> data sent to UI
=> raw data persisted in primary store (payrangedetails)
=> all aggregate collections are updated with latest stats in parallel



Now click a Message
=> Total Sales of Vending Machine - displayed
=> also shows how it performs over a time period



We can find 'highest paying users' , 'best selling vending machines' , 'best selling products'

```
> db.usersummary.find({},{user:1,totalTimeSpent:2,_id:0}).sort({"totalTimeSpent":-1})
{ "totalTimeSpent" : 1410, "user" : "Hari" }
{ "totalTimeSpent" : 390, "user" : "Rabi" }
{ "totalTimeSpent" : 300, "user" : "Ben" }
> db.productsummary.find({},{product:1,totalSales:2,_id:0}).sort({"totalSales":-1})
{ "totalSales" : 12.75, "product" : "Popcorn" }
{ "totalSales" : 7.75, "product" : "ChocoBar" }
{ "totalSales" : 6.25, "product" : "Chips" }
{ "totalSales" : 6, "product" : "Biscuit" }
{ "totalSales" : 4, "product" : "Dry Fruits" }
{ "totalSales" : 1.5, "product" : "Kitkat" }
>
> db.usersummary.find({},{user:1,totalPayments:2,_id:0}).sort({"totalPayments":-1})
{ "totalPayments" : 14.5, "user" : "Hari" }
{ "totalPayments" : 3.5, "user" : "Sam" }
{ "totalPayments" : 3, "user" : "Patrick" }
{ "totalPayments" : 2.75, "user" : "Rabi" }
{ "totalPayments" : 2.5, "user" : "Kal" }
{ "totalPayments" : 2, "user" : "Teri" }
{ "totalPayments" : 1.5, "user" : "Ram" }
{ "totalPayments" : 1.5, "user" : "Justin" }
{ "totalPayments" : 1.25, "user" : "Ben" }
{ "totalPayments" : 1, "user" : "Bob" }
{ "totalPayments" : 1, "user" : "Tom" }
>
> db.vendingsummary.find({},{vendingmachine:1,totalSales:2,_id:0}).sort({"totalSales":-1})
{ "totalSales" : 18.25, "vendingmachine" : "V1" }
{ "totalSales" : 4.5, "vendingmachine" : "V7" }
{ "totalSales" : 4.5, "vendingmachine" : "V3" }
{ "totalSales" : 4, "vendingmachine" : "V2" }
{ "totalSales" : 2.5, "vendingmachine" : "V6" }
{ "totalSales" : 2.5, "vendingmachine" : "V5" }
{ "totalSales" : 1.5, "vendingmachine" : "V9" }
{ "totalSales" : 1.5, "vendingmachine" : "V10" }
>
```