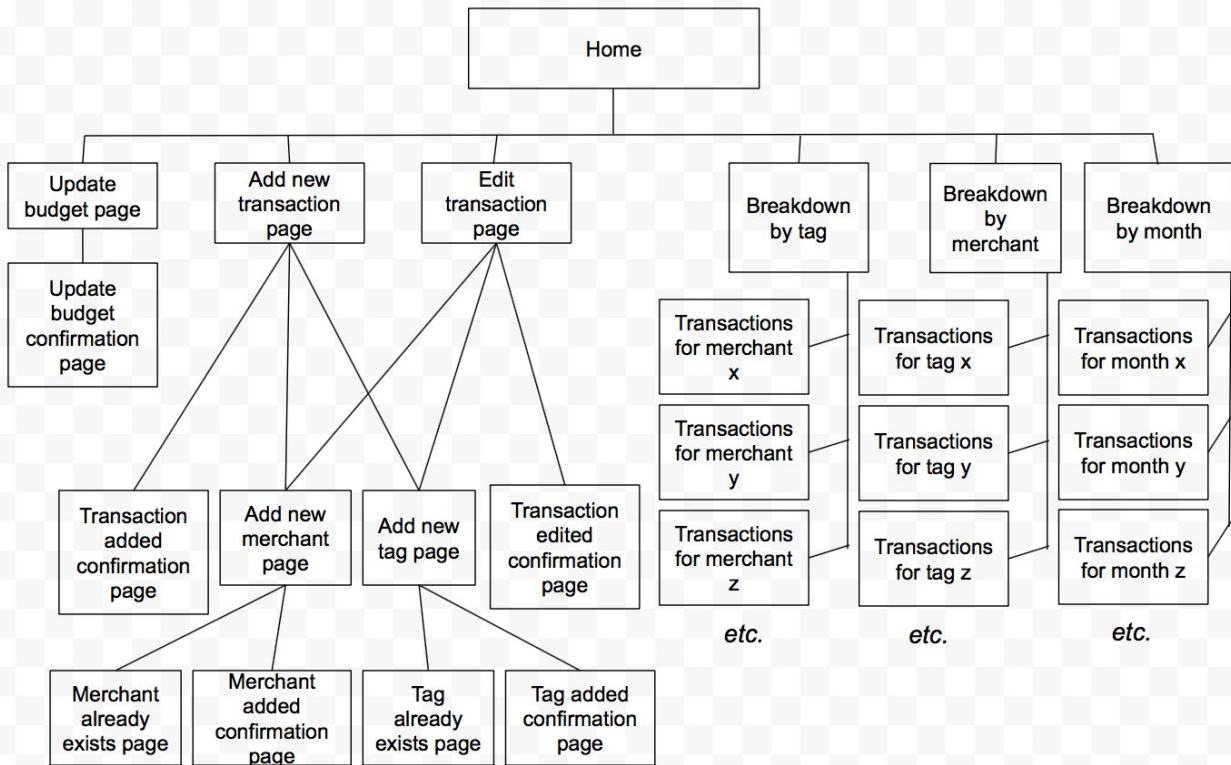


Evidence for Project Unit

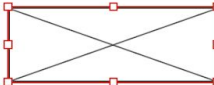
Rachel Johnson

E19

P. 5 User sitemap




P. 6 Wireframes

HOME  ADD NEW

Total spend: **TOTAL**

Merchant	Tag	Amount
		<i>total</i>

HOME  ADD NEW

Enter date of transaction:

Enter amount spent:

Select merchant:

Merchant not listed? Add a new one:

Select tag:

Tag not listed? Add a new one:

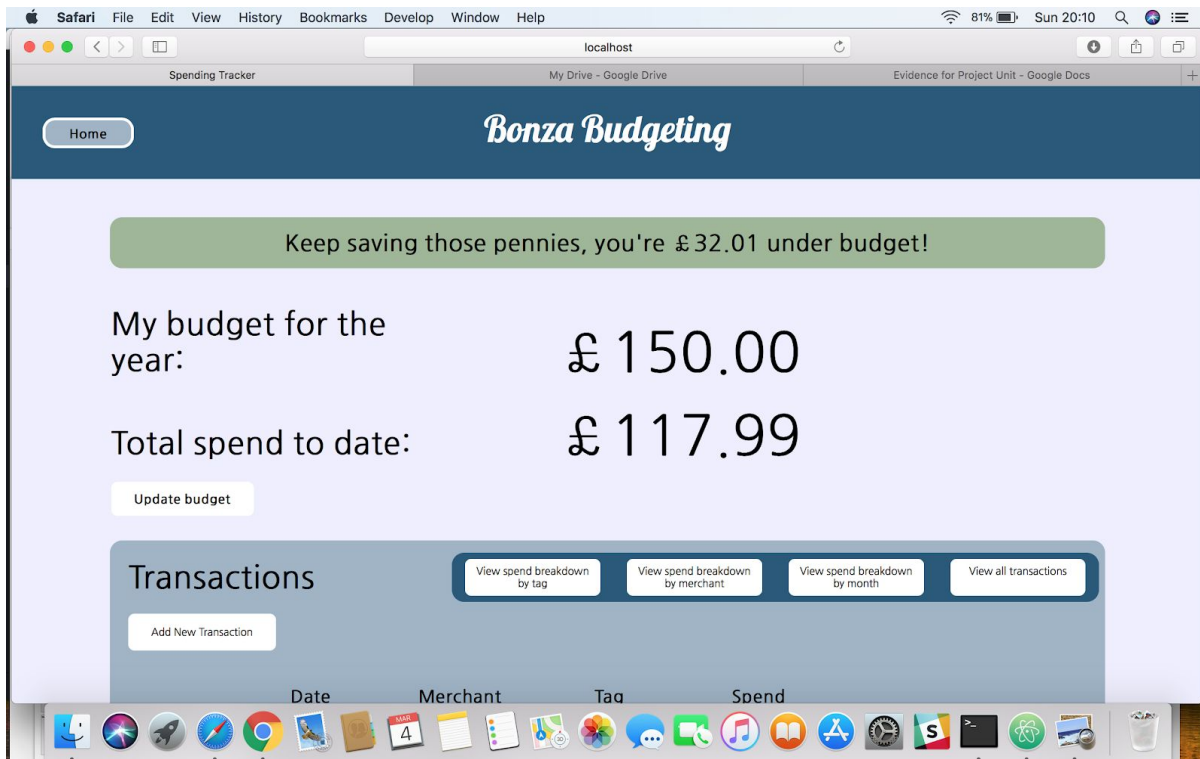
Add transaction

P. 10 Pseudocode for a function

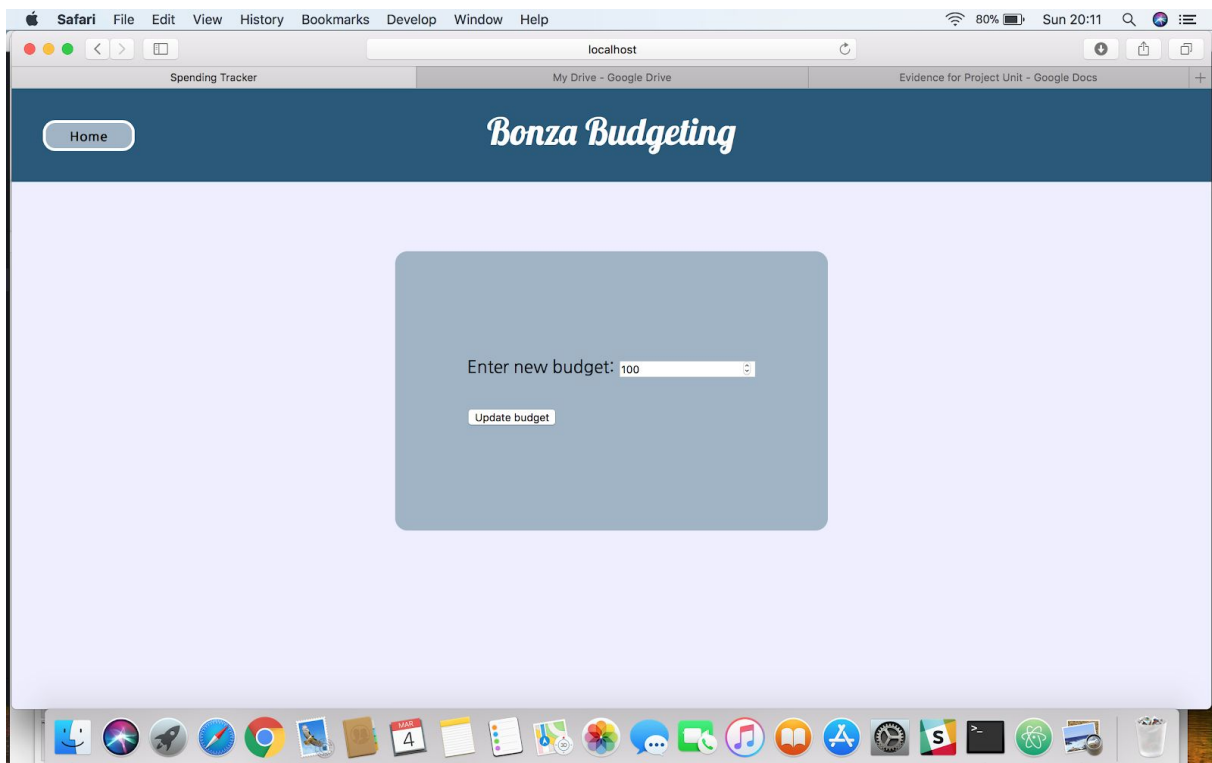
```
1  function to find all transactions with a given merchant
2      find all transactions from the transactions table where the merchant_id in the table is the same as the id of the merchant in question
3      return this selection as an array of transactions where the transactions are ordered by transaction date
4  end
```

P.13 User input

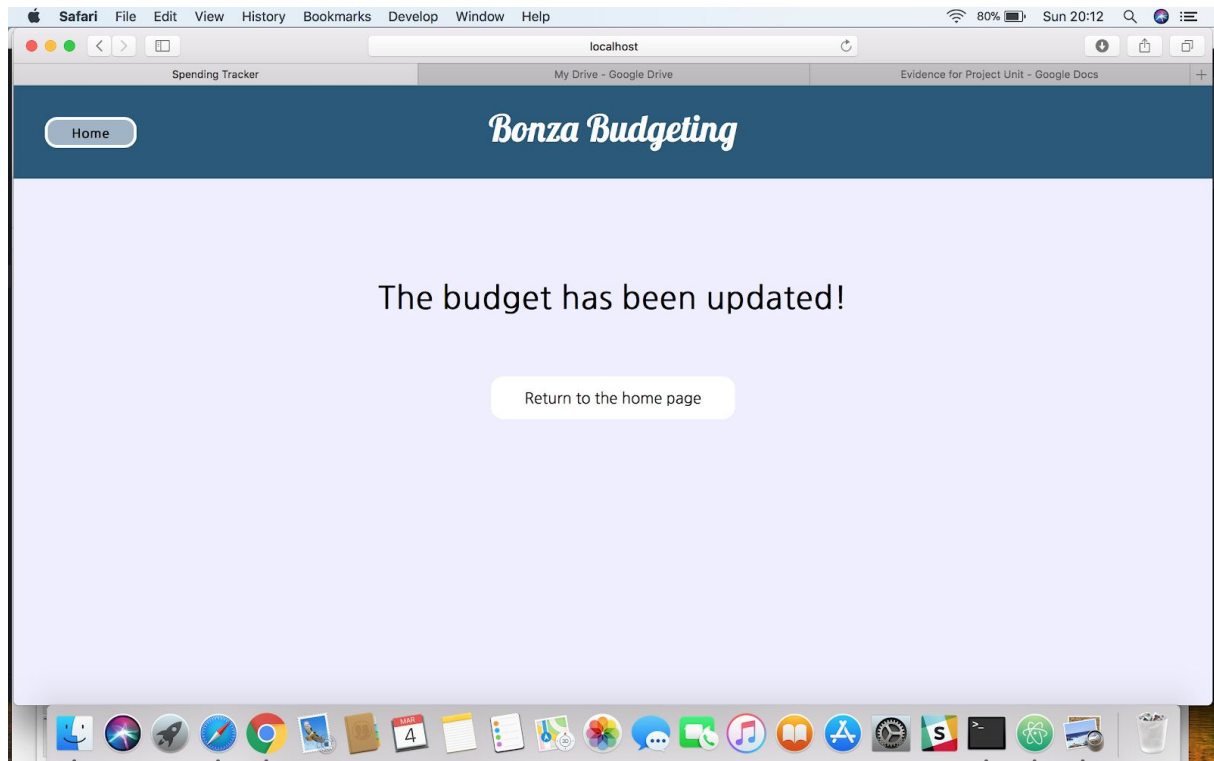
Original page. User clicks to update budget:



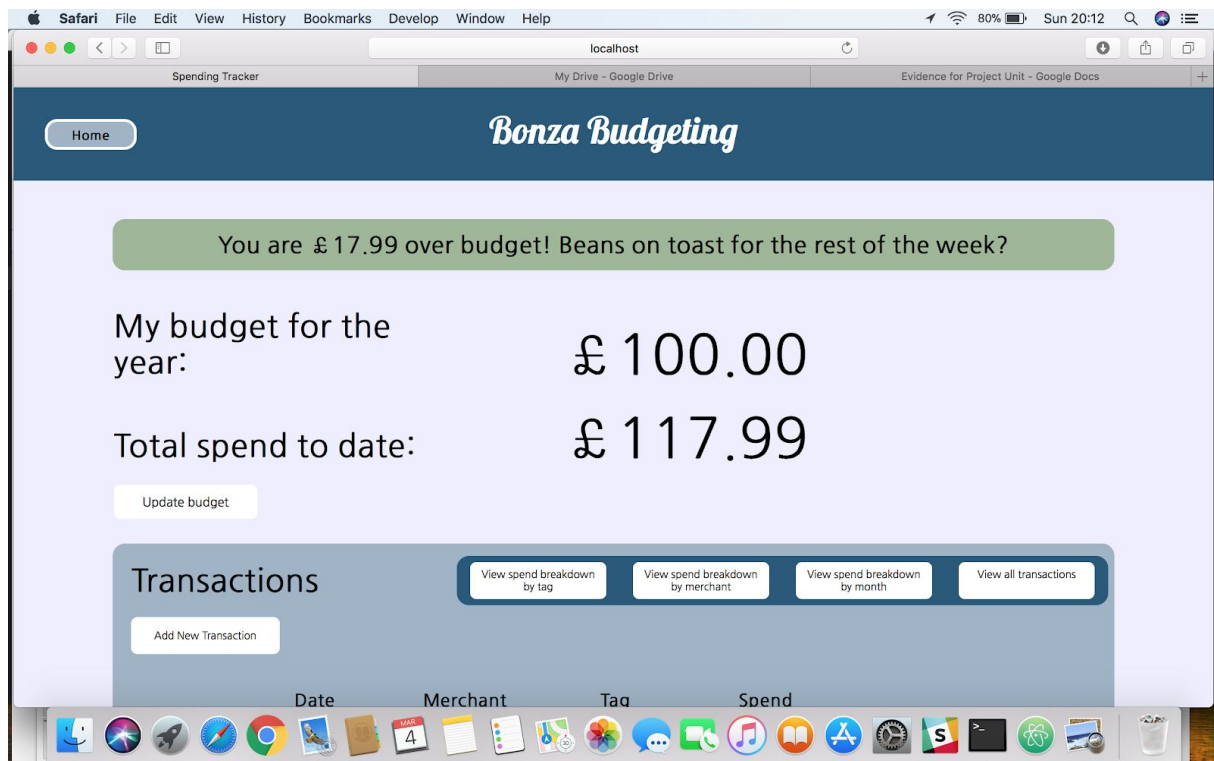
User updates budget:



Confirmation page is generated:



Home page now shows updated budget and budget message:

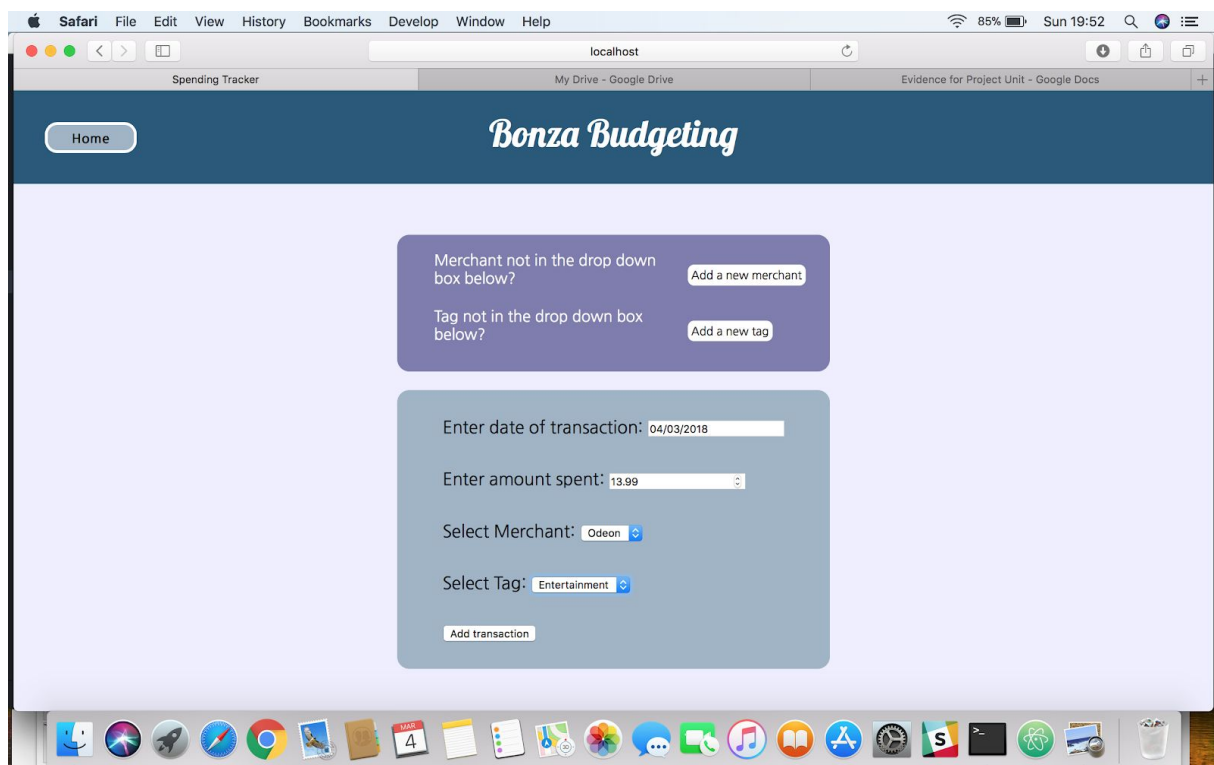


P. 14 Interaction with data persistence

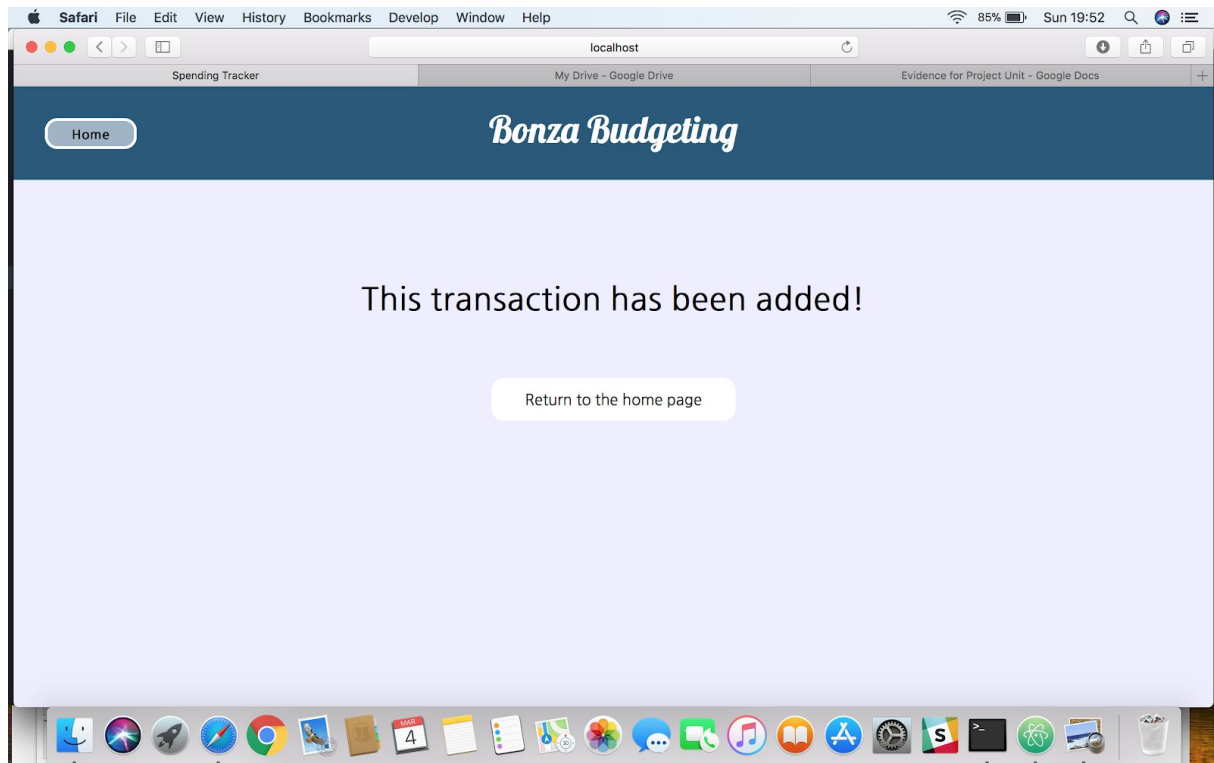
Original transactions:



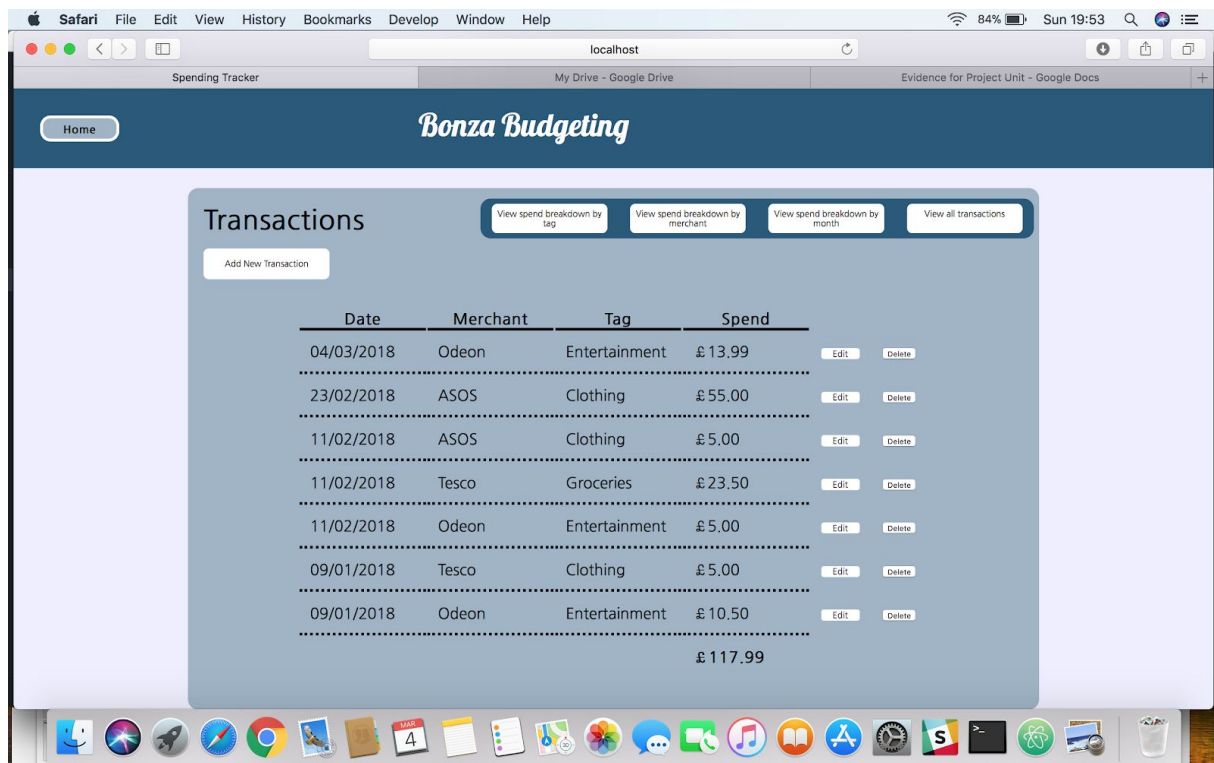
User adds new transaction:



Page is generated confirming transaction is saved:



New transaction now shows in list of transactions recorded:



P.15 User output result

User clicks on 'view spend breakdown by tag' button:

The screenshot shows the Bonza Budgeting application interface. The header includes a 'Home' button and the application name 'Bonza Budgeting'. The main section is titled 'Transactions' and contains a button 'Add New Transaction'. Below this is a table of transactions with columns: Date, Merchant, Tag, Spend, Edit, and Delete. The total spend is £104.00. The 'View spend breakdown by tag' button is highlighted.

Date	Merchant	Tag	Spend	Edit	Delete
23/02/2018	ASOS	Clothing	£55.00	Edit	Delete
11/02/2018	Tesco	Groceries	£23.50	Edit	Delete
11/02/2018	Odeon	Entertainment	£5.00	Edit	Delete
11/02/2018	ASOS	Clothing	£5.00	Edit	Delete
09/01/2018	Odeon	Entertainment	£10.50	Edit	Delete
09/01/2018	Tesco	Clothing	£5.00	Edit	Delete
			£104.00		

A page detailing the total spend split by tag is generated:

The screenshot shows the Bonza Budgeting application interface. The header includes a 'Home' button and the application name 'Bonza Budgeting'. The main section displays 'Total spend to date: £104.00'. Below this is a section titled 'Split by tag' with a button 'Add New Transaction'. Below this is a table showing the split by tag with columns: Tag, Spend, Percentage of total spend, and View transactions. The total spend is £104.00 and the percentage is 100.00%.

Tag	Spend	Percentage of total spend	View transactions
Groceries	£23.50	22.60%	View transactions
Clothing	£65.00	62.50%	View transactions
Entertainment	£15.50	14.90%	View transactions
	£104.00	100.00%	