# Title: Unit/Integration testing code coverage

Ember version: 2.4.x

**ember-cli-code-coverage**addon has been added in frontend which is similar to RSpec coverage for backend by telling us, devs, what amount of code is covered and what is left out.

Current coverage for test cases is below (sprints branch):

40.74% Statements 25768/63254  
28.7% Branches 1854/6461  
40.46% Functions 3953/9769  
37.2% Lines 22195/59667

### **How to run test with coverage?**

* **npm install && bower install**
* Use the command: **npm run test-server** (executes in chrome) and launch [http://localhost:7](http://localhost:7357)559 in browser or**npm run test-ci**(executes only in chrome headless). Alternatively you can also mention **ember t -f '!acceptance' -s** for running it in server and without **-s** for headless. This will work on port 7357.
* Once all the tests are executed, open **freshsales/frontend/coverage/index.html** in browser.
* If you have written tests specific for your component, you should be able to find it in the list and its component.js and template.hbs should reveal the amount of code covered. The same for routes, controllers, mixins, utils, services, inits, instance-inits, etc
* Red highlights indicate they are not covered which will need coverage in testing.

### **Any reference?**

* **Components:**  
  *Bulk update and top nav search*. It also has negative test cases for a request being responded with 500 error code.
* **Controllers:**  
  *Filters*
* **Routes:**  
  *Filters, Entity detail pages*
* **Mixins:**  
  *Column customisation*
* **Utils:**  
  *Filters*
* **Serializers:**  
  *Fields, filters*
* **Models:**  
  *Fields, filters*

Guides: <https://guides.emberjs.com/v2.4.0/testing/>