



# Cypress

By Rashesh Padia

Software Engineer  Collabora  
Intern Online

rasheshpadia@collabora.com

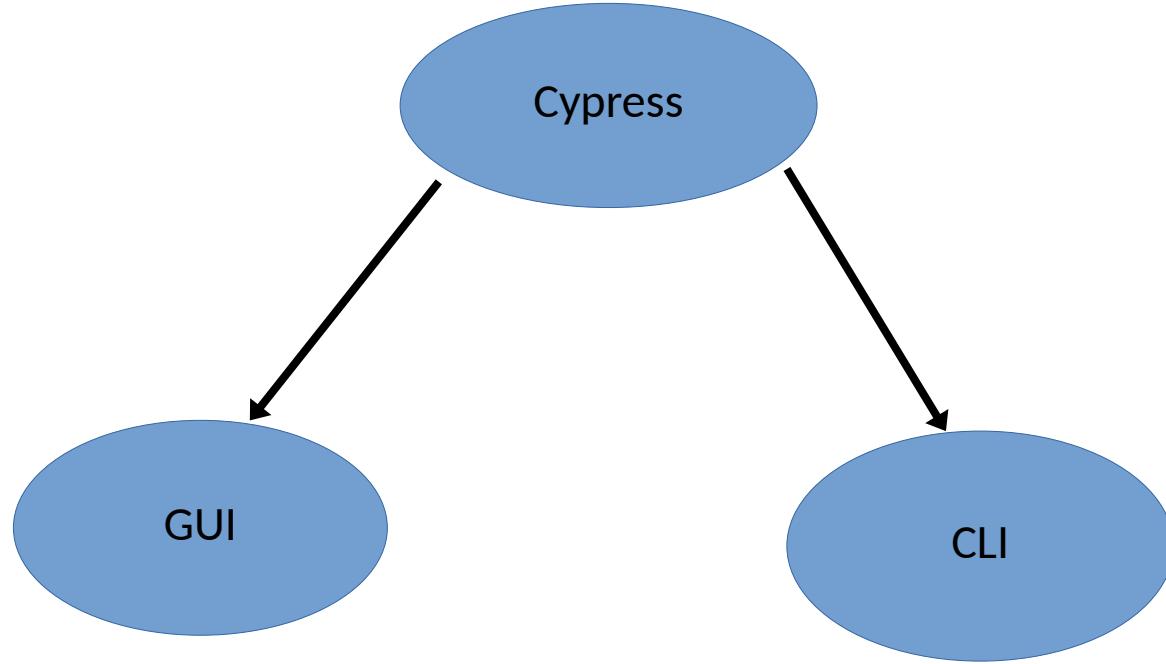
# What is Cypress?

A tool for reliably testing anything that runs in  
web browser

# Features

- Time Travel
- Debuggability
- Automatic Waiting
- Screenshots and Videos
- Cross browser Testing

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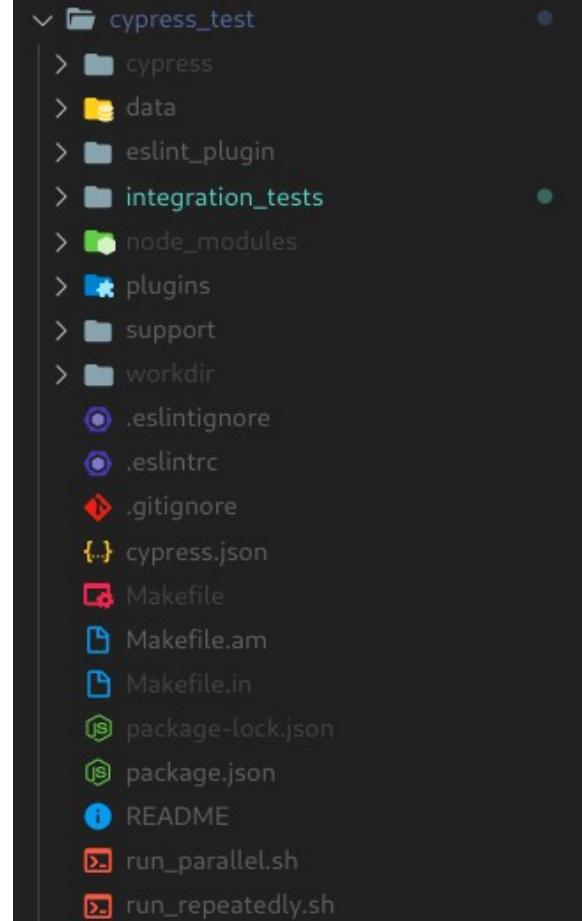
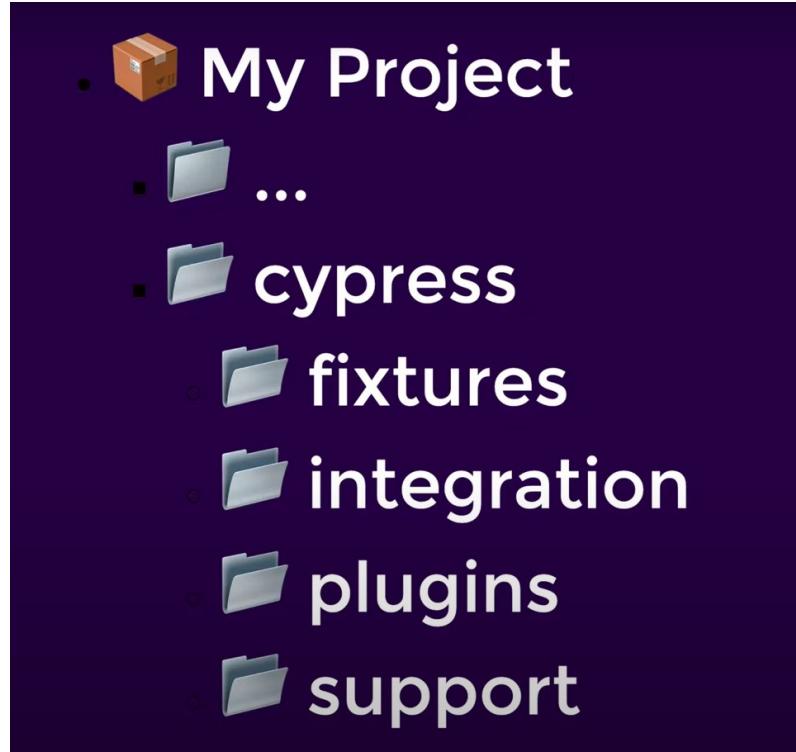
# Setup & Installation

## In General

- `npm install cypress`

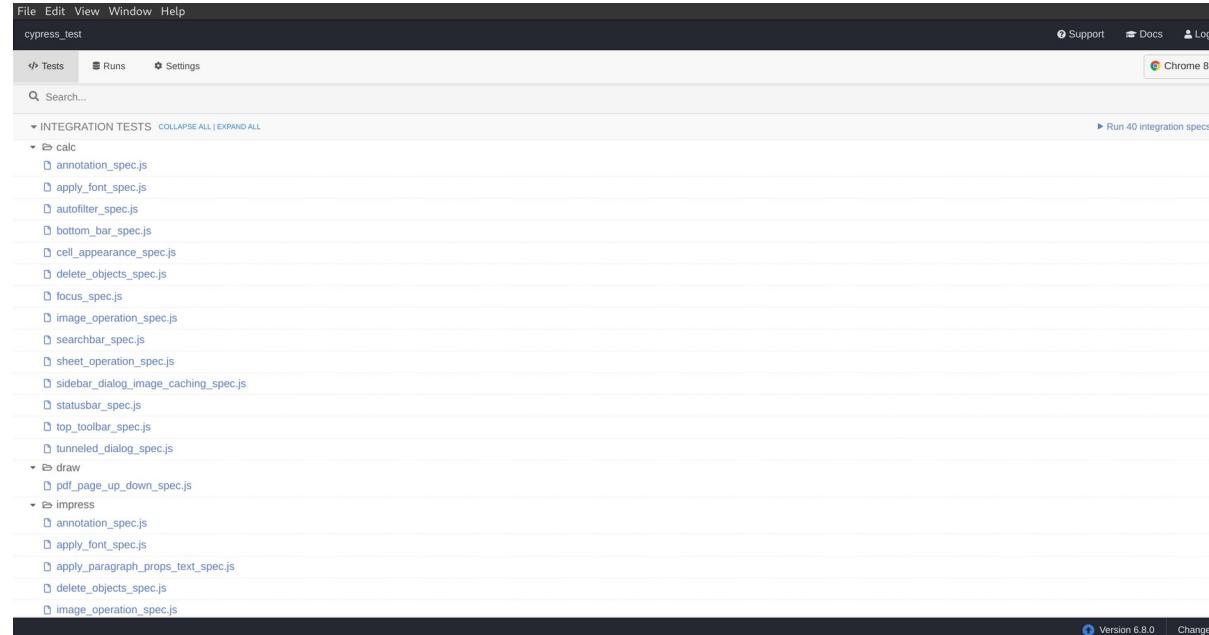
## For Online

- `./configure --enable-silent-rules --with-lokit-path={corepath}/include --with-lo-path={corepath}/instdir --enable-debug --enable-cypress`



# Setup & Installation

- cd cypress\_test/
- make run-desktop



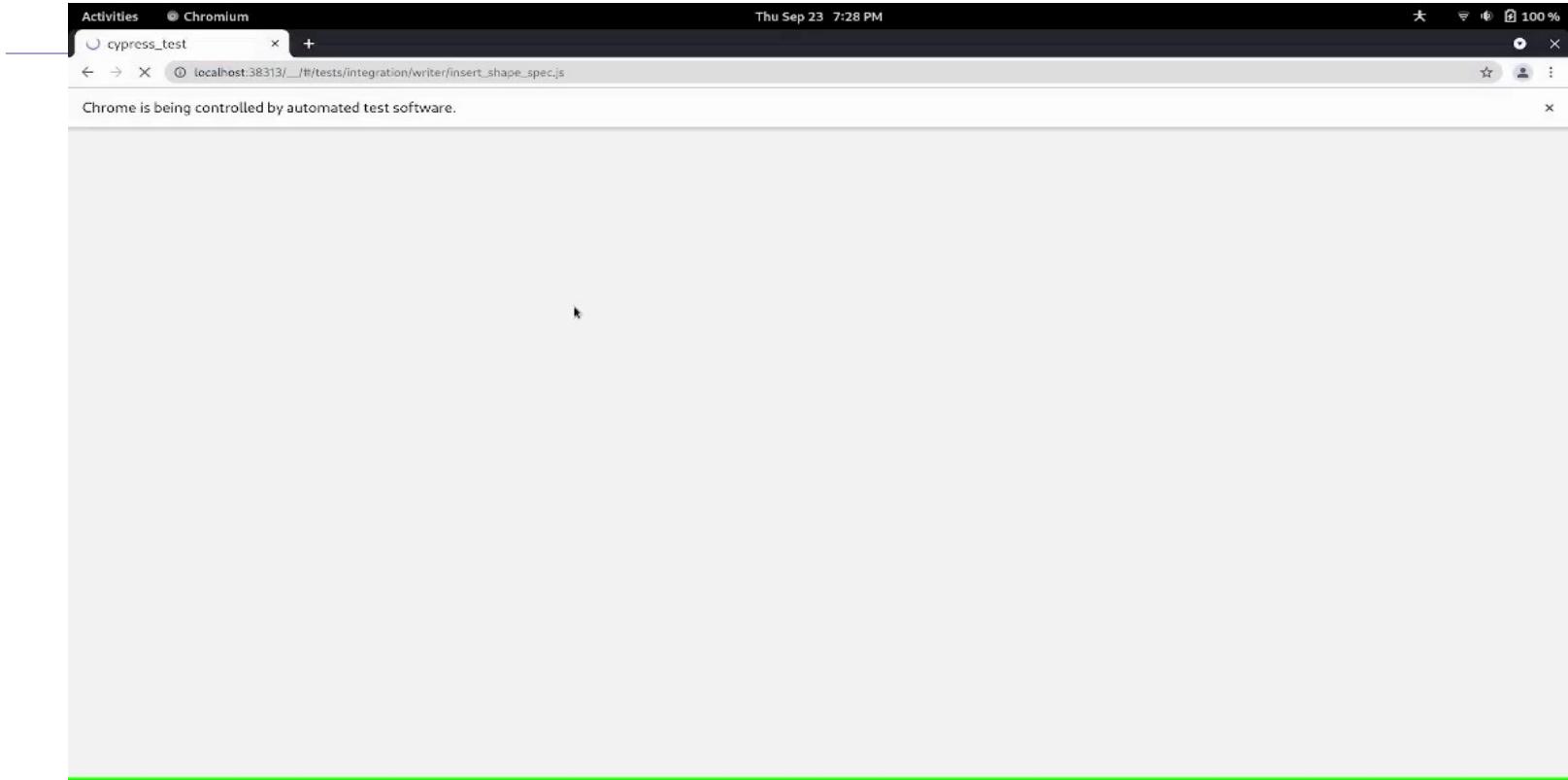
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# Write a cypress test

- A solid test generally covers 3 phases:
  - 1) Set up the application state.
  - 2) Take an action.
  - 3) Make an assertion about the resulting application state.

# Setup application state

```
1  /* global describe it cy expect beforeEach require afterEach */
2
3  var helper = require('../common/helper');
4
5  describe('Insert Shape', function() {
6      var testFileName = 'test.odt';
7
8      beforeEach(function() {
9          helper.beforeAll(testFileName, 'writer');
10     });
11 });
12
```



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# Take an action

```
it('Insert shape', function() {
    cy.get('#toolbar-up .w2ui-scroll-right')
        .click();

    cy.get('#tb_editbar_item_insertshapes')
        .click();

    cy.get('.col.w2ui-icon.basicshapes_rectangle')
        .click();
});
```

# Assertion

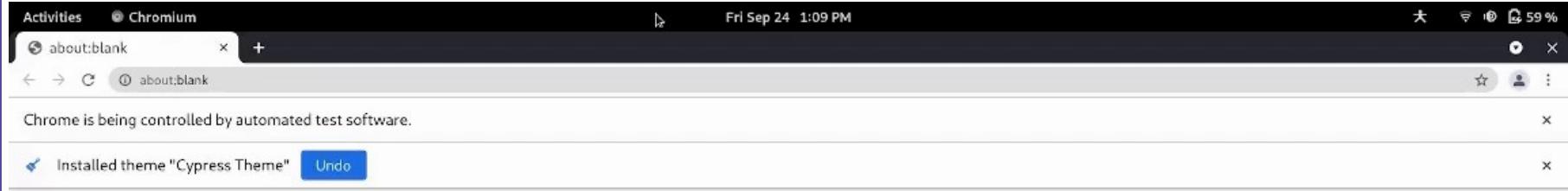
```
it('Insert shape', function() {
    cy.get('#toolbar-up .w2ui-scroll-right')
        .click();

    cy.get('#tb_editbar_item_insertshapes')
        .click();

    cy.get('.col.w2ui-icon.basicshapes_rectangle')
        .click();

    cy.get('.leaflet-pane.leaflet-overlay-pane svg g')
        .should('exist');

});
```

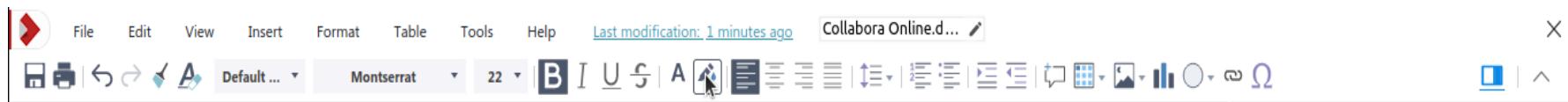


# Different UI

## Notebookbar(NB) UI



## Classic UI



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# Reuse same spec for NB

- make USER\_INTERFACE=notebookbar run-desktop spec=/path/to/spec

```
var helper = require('....../common/helper');
var desktopHelper = require('....../common/desktop_helper');

var mode = Cypress.env('USER_INTERFACE');
describe('Simple Test', function() {
  var testFileName = 'test.odt';

  beforeEach(function() {
    helper.beforeAll(testFileName, 'writer');
  });

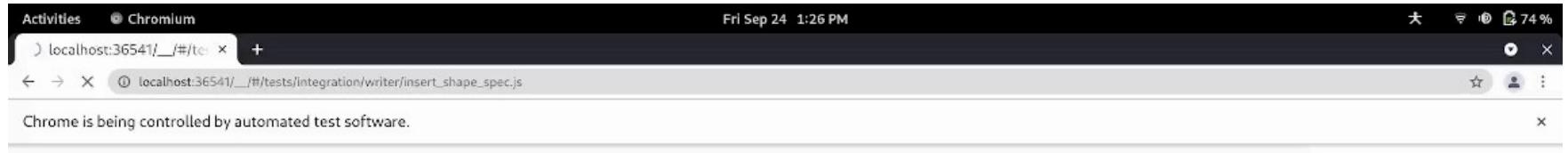
  it('Insert shape', function() {
    mode === 'notebookbar' ? cy.get('#Insert-tab-label').click() : '';

    cy.get('#toolbar-up .w2ui-scroll-right')
      .click();

    desktopHelper.actionOnSelector('insertShape', selector => {
      cy.get(selector).click();
    });

    cy.get('.col.w2ui-icon.basicshapes_rectangle')
      .click();

    cy.get('.leaflet-pane.leaflet-overlay-pane svg g')
      .should('exist');
  });
});
```





# Thanks !



By Rashesh Padia

@CollaboraOffice  
hello@collaboraoffice.com  
Collaboraoffice.com