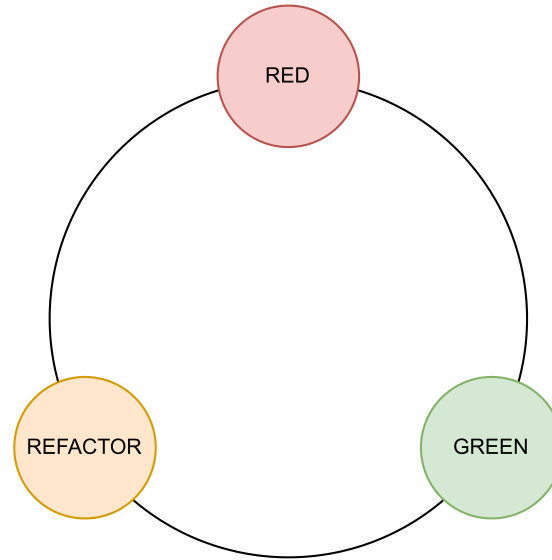
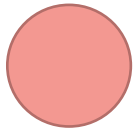


The background features a collection of 3D rectangular blocks in various colors including teal, orange, red, and pink, arranged in a complex, overlapping structure on the left side. A large white rectangular box with a black border is positioned on the right side, containing the text.

TDD DEMO-EXAMPLE

THE PROCESS





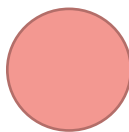
WRITE A TEST...

```
describe('Homescreen', () => {
  beforeEach(() => {
    cy.visit('http://localhost:3000')
  })

  it('displays calendar card on the initial screen', () => {
    cy.get('.cy-calendar').should('have.text', 'Kalender');
    cy.get('.cy-calendar').find('img').should('have.attr', 'src')
      .should('include', .should('include', 'ICON_Calendar_deselected'))
  })
})
```

In words:

- Homescreen should have a .cy-calendar-Element with the text Kalender
- Homescreen should have a .cy-calendar-Element with an img-element which has a src-Attribute that includes the specific svg-file-name



...AND SEE IT FAIL

frontend

localhost:3000/_/#/specs/runner?file=cypress/e2e/homeScreen1.cy.js

Specs

homeScreen1.cy.js 00:06

Homescreen

✗ displays calendar card on the initial screen

BEFORE EACH

1 visit http://localhost:3000

TEST BODY

1 get .cy-calendar

2 -assert expected .cy-calendar to have text Kalender, but the text was ''

! AssertionError

Timed out retrying after 4000ms: Expected to find element: .cy-calendar, but never found it.

cypress/e2e/homeScreen1.cy.js:7:28

```
5 |  
6 | it('displays calendar card on the initial screen', () => {  
> 7 |   cy.get('.cy-calendar').should('have.text', 'Kalender');  
   |                               ^  
8 |   cy.get('.cy-calendar').find('img').should('have.attr', 'src')  
9 |     .should('include', 'ICON_Calendar_desele  
10 | })
```

> View stack trace

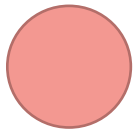
Print to console

http://localhost:3000/

Firefox 113

1000x660

Card 1



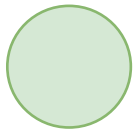
WRITE JUST AS MUCH AS YOU NEED...

```
import { useNavigate } from 'react-router';

import Col from 'react-bootstrap/Col';
import Card from 'react-bootstrap/Card';
import calendar from '../icons/ICON_Calendar_deselected.svg';

function DashboardCard(props) {
  return (
    <Col xl={props.colWidth}>
      <Card /*bg='light'*/ className="cy-calendar">
        <Card.Img src={calendar}/>
        <Card.Body>
          <Card.Title>Kalender</Card.Title>
        </Card.Body>
      </Card>
    </Col>
  );
}
export default DashboardCard;
```

New lines to
probably make it
work



...TO SEE IT WORK

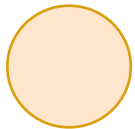
The screenshot displays the Cypress test runner interface on the left and the browser view on the right. The browser view shows a calendar card on a dark gray background.

Cypress Test Runner (Left Panel):

- Specs: 1 passed, 0 failed, 0 pending, 0 skipped (00:02)
- homeScreen1.cy.js
- Homescreen
 - ✓ displays calendar card on the initial screen
 - BEFORE EACH
 - 1 visit http://localhost:3000
 - TEST BODY
 - 1 get .cy-calendar
 - 2 -assert expected <div.cy-calendar.card> to have text Malender
 - 3 get .cy-calendar
 - 4 find img
 - 5 -assert expected <img.card-img> to have attribute src
 - 6 -assert expected /static/media/ICON_Calendar_deselected.d5fe8269c2dbf44377d1423a2a89db61.svg to include ICON_Calendar_deselected

Browser View (Right Panel):

- Address bar: http://localhost:3000/
- Firefox 113
- Resolution: 1000x660
- Content: A dark gray rounded rectangle containing a white calendar icon with a grid of 12 squares.

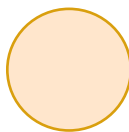


REFACTOR THE APPROACH

– EG. MAKE THE CARD LESS STATIC FOR REUSE

```
import Col from 'react-bootstrap/Col';
import Card from 'react-bootstrap/Card';

function DashboardCard(props) {
  const cyClass = (props.cyClass !== undefined) ? " "+props.cyClass :
  "";
  return (
    <Col xl={props.colWidth}>
      <Card className={cyClass}>
        <Card.Img src={props.icon}/>
        <Card.Body>
          <Card.Title>{props.title}</Card.Title>
        </Card.Body>
      </Card>
    </Col>
  );
}
export default DashboardCard;
```



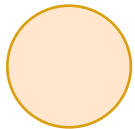
...BUT NOW IT FAILS

The image shows a Cypress test runner interface on the left and a browser window on the right. The browser window displays a simple web page with a single text input field at the top.

Cypress Test Runner Details:

- Specs:** homeScreen1.cy.js (00:06)
- Test Suite:** Homescreeen
- Test Title:** ✖ displays calendar card on the initial screen
- BEFORE EACH:** 1 visit http://localhost:3000
- TEST BODY:**

```
1 get '.cy-calendar'
2 -assert expected .cy-calendar to have text Kalender, but the text was ''
! AssertionError
Timed out retrying after 4000ms: Expected to find element: .cy-calendar, but never found it.
cypress/e2e/homeScreen1.cy.js:7:28
5 |
6 | it('displays calendar card on the initial screen', () => {
> 7 |   cy.get('.cy-calendar').should('have.text', 'Kalender');
    |                               ^
8 |   cy.get('.cy-calendar').find('img').should('have.attr', 'src')
9 |   .should('include', 'ICON_Calendar_desele
10 | })
```
- Buttons:** View stack trace, Print to console



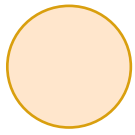
MAKE IT WORK

(YOU REALIZE THAT YOU NEED TO CALL THE CARD BY THE ARGUMENTS)

```
import Container from "react-bootstrap/esm/Container";
import Row from "react-bootstrap/esm/Row";
import DashboardCard from "../DashboardCard";

import calendar from '../icons/ICON_Calendar_deselected.svg';

function Dashboard(props) {
  return (
    <Container className={props.cyClass}>
      <Row>
        <DashboardCard colWidth={props.colWidth} cyClass='cy-calendar' title='Kalender'
icon={calendar} external={false}/>
      </Row>
    </Container>
  );
}
export default Dashboard;
```



... AND NOW IT WORKS

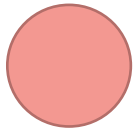
The screenshot displays the Cypress test runner interface on the left and a web browser on the right. The browser shows a calendar card on a dark gray background.

Cypress Test Runner (Left Panel):

- Specs: homeScreen1.cypress (00:02)
- Homescreeen
 - ✓ displays calendar card on the initial screen
 - BEFORE EACH
 - 1 visit http://localhost:3000
 - TEST BODY
 - 1 get .cy-calendar
 - 2 -assert expected <div.cy-calendar.card> to have text Kalendar
 - 3 get .cy-calendar
 - 4 find img
 - 5 -assert expected <img.card-img> to have attribute src
 - 6 -assert expected /static/media/ICON_Calendar_deselected.d5fe8269c2dbf44377d1423a2a89db61.svg to include ICON_Calendar_deselected

Browser (Right Panel):

- Address bar: http://localhost:3000/
- Page content: A dark gray card with rounded corners, featuring a white calendar icon with a grid of dates.



... SO WE CAN CONTINUE TO WRITE A NEW TEST

```
describe('Homescreeen', () => {  
  beforeEach(() => {  
    cy.visit('http://localhost:3000')  
  })  
  
  it('displays calendar card on the initial screen', () => {  
    cy.get('.cy-calendar').should('have.text', 'Kalender');  
    cy.get('.cy-calendar').find('img').should('have.attr', 'src')  
      .should('include', 'ICON_Calendar_deselected.svg')  
  
  })  
  
  it('navigates to calendar', () => {  
    cy.get('.cy-calendar').click();  
    cy.get('.fc-view');  
  })  
})
```