TDD DEMO-EXAMPLE

THE PROCESS
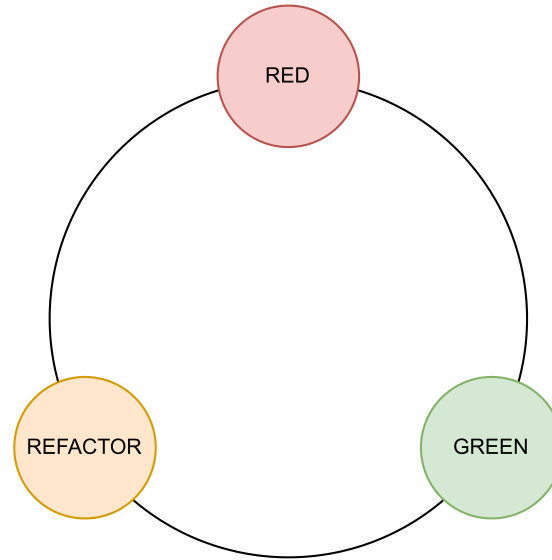
WRITE A TEST...

```
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')
)
  })
})
```
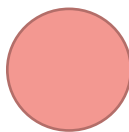
In words:
- Homescreen should have a .cy-calendar-Element with the text Kalendar
- Homescreen should have a .cy-calendar-Element with an img-element which has a src-Attribute that includes the specific svg-file-name

...AND SEE IT FAIL

WRITE JUST AS MUCH AS YOU NEED...

```jsx
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;
```
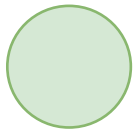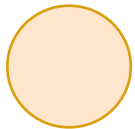
New lines to probably make it work
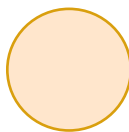
...TO SEE IT WORK

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;
```
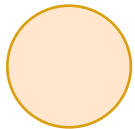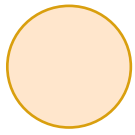
...BUT NOW IT FAILS

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;
```
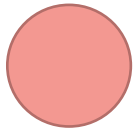
... AND NOW IT WORKS

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

```javascript
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','ICON_Calendar_deselected.svg')

  })

  it('navigates to calendar', () => {
    cy.get('.cy-calendar').click();
    cy.get('.fc-view');
  })
})
```