

Project RAJA

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RAJA

- 1954 : Création de “Les cartons RAJA”
- 2000 : Lancement de la vente sur internet
- 2006 : Création de la Fondation RAJA-Danièle Marcovici
- 2008 : Acquisition de Welcome Office
- 2010 : Acquisition de CENPAC
- 2020 : Plus de 1 milliard d’euros de chiffre d’affaires
- 2021 : Acquisition de Viking



MISSION

- Mise en place d'une suite de tests de non-régression sur le site de tests RAJA en BtoB.
- Automatisation de cette suite de tests pour garantir la pérennité des futurs déploiements.
- Utilisation de 3 rôles : Administrateur, Approbateur, Acheteur
- Création et ajout de Workflows
- Parcours acheteurs avec Workflow (type "AMOUNT")
- Parcours approbateurs avec Validation et Rejet de commandes



Outils



GitHub Actions



GHERKIN



cucumber

APPROCHE

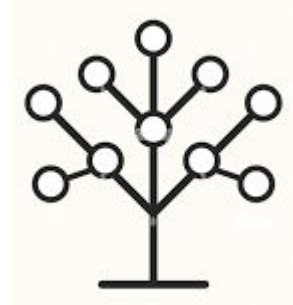
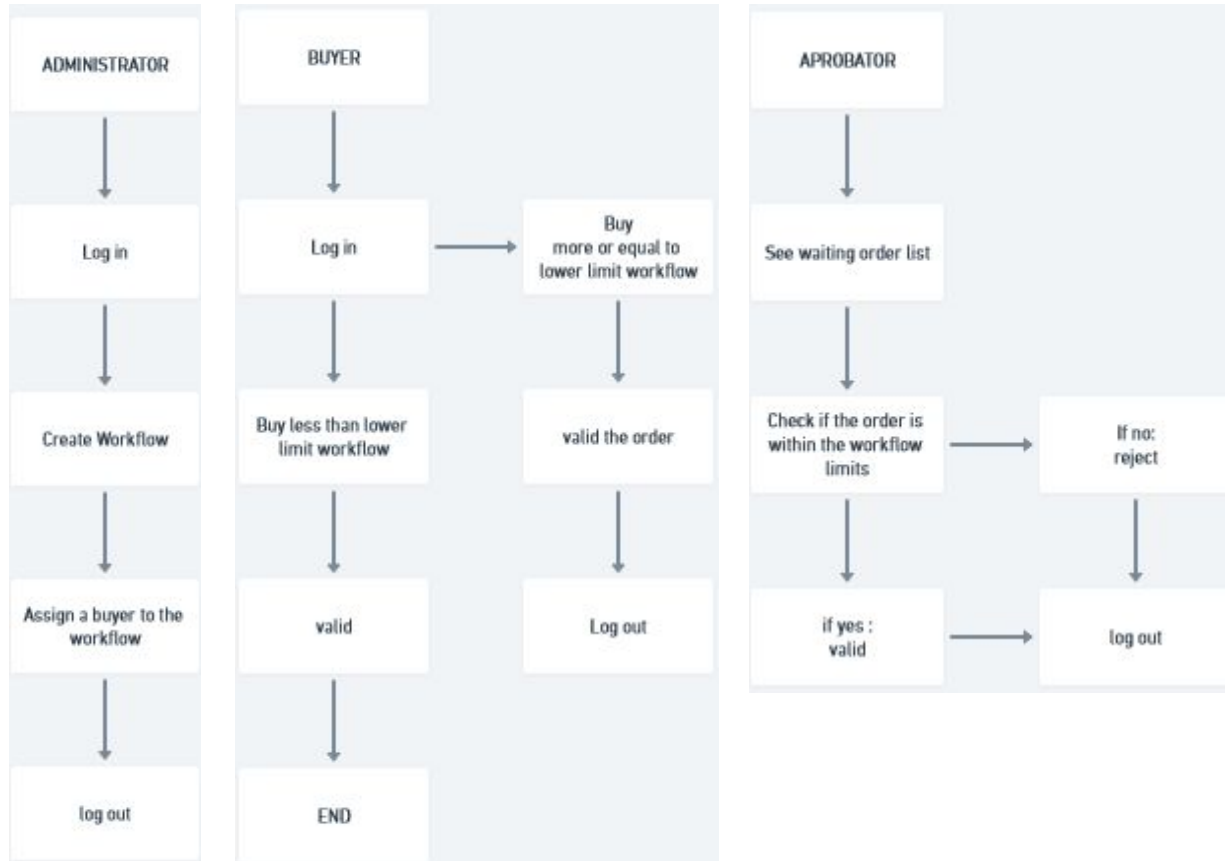
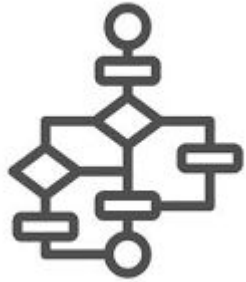
Points clés : Compréhension de la dépendance des actions utilisateurs, ordonnancement des tests

Points bloquants :

- Trouver certaines balises/sélecteurs pour “cocher” des éléments
- Problèmes de connexion au serveur



Arbre fonctionnel



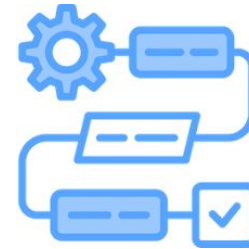
Workflow

- ≡ 100adminAuth.feature
- ≡ 101adminLogout.feature
- ≡ 102adminNewAmountWorkflow.feature
- ≡ 103adminNewBudgetWorkflow.feature
- ≡ 104adminNewMinimumWorkflow.feature
- ≡ 105adminNewPNICFWorkflow.feature
- ≡ 106adminAssignBuyerToWorkflow.feature

- ≡ 300approvalLogin.feature
- ≡ 301approvalLogout.feature

- ≡ 400adminDeleteBuyerToWorkflow.feature
- ≡ 401adminDeleteWorkflows.feature

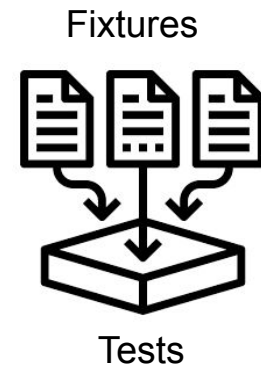
- ≡ 201buyerLogin.feature
- ≡ 202buyerLowerThanSeuil.feature
- ≡ 203buyerMoreOrEqualThanSeuil.feature
- ≡ 204approvalValidOrder.feature
- ≡ 205buyerMoreOrEqualThanSeuil.feature
- ≡ 206approvalRejectOrder.feature



Fixtures

```
users.json X
cypress > fixtures > {} users.json > ...
pammmpa, 3 days ago | 2 authors (pammmpa and others)
1 [
2   {
3     "admin": {
4       "email": "[REDACTED]",
5       "password": "[REDACTED]"
6     }
7   },
8   {
9     "approval": {
10      "email": "[REDACTED]",
11      "password": "[REDACTED]"
12    }
13  },
14  {
15    "buyer": {
16      "email": "[REDACTED]",
17      "password": "[REDACTED]"
18    }
19  }
20 ]
```

```
workflows.json X
cypress > fixtures > {} workflows.json > {} 3 > {} pnif > code
You, 2 days ago | 1 author (You)
1 [
2   {
3     "amount": {
4       "workflowName": "GP3 amount name",
5       "code": "GP3 amount code",
6       "trigger": "AMOUNT",
7       "max": [REDACTED],
8       "validator": "[REDACTED]",
9       "min": [REDACTED]
10    }
11  }
```



```
commandNumber.json X
cypress > fixtures > {} commandNumber.json > ...
You, 17 hours ago | 1 author (You)
1 {
2   "commandNumber": "00184597"
3 }
```


Commands

LOGIN

```
3
4  Cypress.Commands.add("login", (email, pw) => {
5    cy.request({
6      url: "
7      method: "POST",
8    }, {
9      SynchronizerToken:
10      LoginForm_Login: email,
11      LoginForm_Password: pw,
12    },
13  });
14  });
15  });
```

LOGOUT

```
17  Cypress.Commands.add("deconnexion", () => {
18    // cy.visit("/");
19    cy.get(".icon-account").click({ force: true });
20    cy.wait(2000);
21    cy.get('[data-test-id="signOutButton"]').click({ force: true });
22  });
23  });
```

CREATE WORKFLOW

```
24  Cypress.Commands.add("createWorkflow", (code, workflowName, trigger, max, validator, min) => {
25    cy.get('#AdminWorkflows > .flex > a > .text-lightGrey').click()
26    cy.get('[id="workflow_id"]').type(code)
27    cy.get('[id="workflow_name"]').type(workflowName)
28    cy.get('[type="checkbox"]').check({force:true})
29    cy.get('[id="workflow_trigger"]').select(trigger)
30    cy.get('[id="workflow_max"]').type(max)
31    cy.get('[id="workflow_validator1"]').select(validator)
32    cy.get('[id="workflow_min"]').type(min)
33  });
```

Tests & Reports

(Run Finished)

✓ 101adminLogout.feature	00:07	1	1	-	-	-
✓ 102adminNewAmountWorkflow.feature	00:09	1	1	-	-	-
✓ 103adminNewBudgetWorkflow.feature	00:10	1	1	-	-	-
✓ 105adminNewPNICFWorkflow.feature	00:09	1	1	-	-	-
✓ 106adminAssignBuyerToWorkflow.feature	00:08	1	1	-	-	-
✓ 201buyerLogin.feature	00:08	1	1	-	-	-
✓ 202buyerLowerThanSeuil.feature	00:32	1	1	-	-	-
✓ 203buyerMoreOrEqualThanSeuil.feature	00:37	1	1	-	-	-
✓ 205buyerMoreOrEqualThanSeuil.feature	00:36	1	1	-	-	-
✓ 400adminDeleteBuyerToWorkflow.feature	00:07	1	1	-	-	-
✓ 401adminDeleteWorkflows.feature	00:10	1	1	-	-	-
✓ All specs passed!	04:00	18	18	-	-	-

Logout Approval admin

cypress/integration/101adminLogout.feature

7.5s 1 ✓ 1

✓ Approval admin is logging out



7.5s

Create an Amount Workflow

cypress/integration/102adminNewAmountWorkflow.feature

9.6s 1 ✓ 1

✓ Should Create an Amount Workflow



9.6s

Create Budget amount Workflow

cypress/integration/103adminNewBudgetWorkflow.feature

10.4s 1 ✓ 1

✓ Should create a Budget amount workflow



10.4s

Create Minimum amount Workflow

cypress/integration/104adminNewMinimumWorkflow.feature

9.7s 1 ✓ 1

✓ Should create a Minimum amount workflow



9.7s

Industrialisation Github Actions

Fichier main.yml

```
name: Cypress Tests RajaB2B

on: [push, workflow_dispatch]

jobs:
  cypress-run:
    runs-on: ubuntu-latest
    steps:
      - name: Checkout
        uses: actions/checkout@v2

      # Install NPM dependencies, cache them correctly
      - name: install dependencies
        run: npm ci

      # and run all Cypress tests and publish tests report
      - name: run tests
        uses: cypress-io/github-action@v2
        with:
          browser: chrome

      # run: npx cypress run

      - name: Publish HTML report
        uses: actions/upload-artifact@v3
        if: always()
        with:
          name: html-report
          path: cypress/report/*
```

Rapport Github Actions

Spec	Tests	Passing	Failing	Pending	Skipped
✓ 100adminAuth.feature	00:11	1	1	-	-
✗ 101adminLogout.feature	280ms	1	-	1	-
✓ 102adminNewAmountWorkflow.feature	00:09	1	1	-	-
✓ 103adminNewBudgetWorkflow.feature	00:10	1	1	-	-
✓ 104adminNewMinimumWorkflow.feature	00:09	1	1	-	-
✓ 105adminNewPMCFWorkflow.feature	00:09	1	1	-	-
✓ 106adminAssignBuyerToWorkflow.feature	00:11	1	1	-	-
✓ 201buyerLogin.feature	00:07	1	1	-	-
✓ 202buyerLowerThanSeuil.feature	00:34	1	1	-	-
✓ 203buyerMoreOrEqualThanSeuil.feature	00:38	1	1	-	-
✓ 204approvalValidOrder.feature	00:11	1	1	-	-
✓ 205buyerMoreOrEqualThanSeuil.feature	00:38	1	1	-	-
✓ 206approvalRejectOrder.feature	00:09	1	1	-	-
✓ 300approvalLogin.feature	00:14	2	2	-	-
✓ 301approvalLogout.feature	00:12	1	1	-	-
✓ 400adminDeleteBuyerToWorkflow.feature	00:10	1	1	-	-
✓ 401adminDeleteWorkflows.feature	00:11	1	1	-	-
✗ 1 of 17 failed (6%)					
Error: Cypress tests: 1 failed					

Rapport html

Artifacts

Produced during runtime

Name

Size



html-report

774 KB

Conclusion

- Travail divisé par type d'utilisateurs permet de se concentrer sur une tâche, cela a aussi demandé de la concertation à cause de la dépendance des actions
- Le peer programming permettant un échange constructif
- Intégrer l'utilisation des fixtures, commandes très constructives
- Amélioration de la compréhension et de l'utilisation des bonnes pratiques vues en cours

Merci à tous pour votre attention!!!

Nous continuons à nous améliorer

Hier



Aujourd'hui



Demain

