Assignment 2 - Vue app - Automated development process.

Name: Zihan Zhang

Student No.: 20082258

Overview.

This is a simple vue web app that enables users to release and manage courses.

E2E Testing.

```
$ npx cypress run --spec cypress/integration/courses.spec.js

=========================================================================

  (Run Starting)

  ┌──────────────────────────────────────────────────────────────────┐
  │ Cypress:  3.1.3                                                    │
  │                                                                    │
  │ Browser:  Electron 59 (headless)                                   │
  │                                                                    │
  │ Specs:    1 found (courses.spec.js)                                │
  │                                                                    │
  │ Searche…  cypress/integration/courses.spec.js                      │
  │                                                                    │
  └──────────────────────────────────────────────────────────────────┘


────────────────────────────────────────────────────────────────────────

  Running: courses.spec.js...                                    (1 of 1)


  Manage Courses page
    ✓ allows a course to be deleted (14814ms)
    ✓ edit a course (3748ms)


  2 passing (19s)


  (Results)


  ┌──────────────────────────────────┐
  │ Tests:        2                   │
  │ Passing:      2                   │
  │ Failing:      0                   │
  │ Pending:      0                   │
  │ Skipped:      0                   │
```

```
│ Screenshots:  0                    │
│ Video:        true                 │
│ Duration:     18 seconds           │
│ Spec Ran:     courses.spec.js      │
└────────────────────────────────────┘


   (Video)

   - Started processing:   Compressing to 32 CRF
   - Finished processing:
/Users/zhangzihan/Desktop/coursevue-3.0/cypress/videos/courses.spec.js.mp4 (2
seconds)


====================================================================================


   (Run Finished)


      Spec                                Tests  Pass…  Fail…  Pend…  Skip…
┌────────────────────────────────────────────────────────────────────────┐
│ ✓ courses.spec.js            00:18      2      2      -      -      -     │
└────────────────────────────────────────────────────────────────────────┘
      All specs passed!          00:18      2      2      -      -      -
```

Continuous Integration.

https://travis-ci.org/ZihanZhang001/coursesSPA

Automated Deployment.

http://enchanting-structure.surge.sh

Extra features.

I used Bundling (Webpack) E2E testing Continuous Integration and auto-deployment to test my web app.

Appendix.

```
   $ npx cypress run


====================================================================================


   (Run Starting)


┌────────────────────────────────────────────────────────────────────────┐
│ Cypress:  3.1.3                    │
│                                    │
│ Browser:  Electron 59 (headless)   │
```

```
|
          |  Specs:      5 found (aboutus.spec.js, contactus.spec.js, courses.spec.js, h…
          |
          └──────────────────────────────────────────────────────────────────────┘


    ────────────────────────────────────────────────────────────────────────


        Running: aboutus.spec.js...                                        (1 of 5)


        About us
          ✓ Shows a header (1354ms)


        1 passing (1s)


        (Results)


            ┌──────────────────────────────────────────┐
            │ Tests:        1                          │
            │ Passing:      1                          │
            │ Failing:      0                          │
            │ Pending:      0                          │
            │ Skipped:      0                          │
            │ Screenshots:  0                          │
            │ Video:        true                       │
            │ Duration:     1 second                   │
            │ Spec Ran:     aboutus.spec.js            │
            └──────────────────────────────────────────┘


        (Video)

        - Started processing:   Compressing to 32 CRF
        - Finished processing:
/Users/zhangzihan/Desktop/coursevue-3.0/cypress/videos/aboutus.spec.js.mp4 (0
seconds)


    ────────────────────────────────────────────────────────────────────────


        Running: contactus.spec.js...                                      (2 of 5)


        Contact us
          ✓ Shows a header (1030ms)


        1 passing (1s)


        (Results)


            ┌──────────────────────────────────────────┐
            │ Tests:        1                          │
            │ Passing:      1                          │
```

```
│ Failing:        0          │
│ Pending:        0          │
│ Skipped:        0          │
│ Screenshots:    0          │
│ Video:          true       │
│ Duration:       1 second   │
│ Spec Ran:       contactus.spec.js │
└────────────────────────────┘


      (Video)

      - Started processing:    Compressing to 32 CRF
      - Finished processing:
/Users/zhangzihan/Desktop/coursevue-3.0/cypress/videos/contactus.spec.js.mp4 (0
seconds)


─────────────────────────────────────────────────────────────────────────────

      Running: courses.spec.js...                              (3 of 5)


      Manage Courses page
        ✓ allows a course to be deleted (7310ms)
        ✓ edit a course (4411ms)


      2 passing (12s)


      (Results)

      ┌────────────────────────────┐
      │ Tests:          2          │
      │ Passing:        2          │
      │ Failing:        0          │
      │ Pending:        0          │
      │ Skipped:        0          │
      │ Screenshots:    0          │
      │ Video:          true       │
      │ Duration:       11 seconds │
      │ Spec Ran:       courses.spec.js │
      └────────────────────────────┘


      (Video)

      - Started processing:    Compressing to 32 CRF
      - Finished processing:
/Users/zhangzihan/Desktop/coursevue-3.0/cypress/videos/courses.spec.js.mp4 (1
second)


─────────────────────────────────────────────────────────────────────────────

      Running: home-page.spec.js...                            (4 of 5)
```

```
Home page
  ✓ Shows a header (1799ms)
  Navigation bar
    ✓ Shows the required links (622ms)
    ✓ Redirects when links are clicked (757ms)


3 passing (3s)


(Results)

  ┌─────────────────────────────────────┐
  │ Tests:        3                     │
  │ Passing:      3                     │
  │ Failing:      0                     │
  │ Pending:      0                     │
  │ Skipped:      0                     │
  │ Screenshots:  0                     │
  │ Video:        true                  │
  │ Duration:     3 seconds             │
  │ Spec Ran:     home-page.spec.js     │
  └─────────────────────────────────────┘


(Video)

  - Started processing:   Compressing to 32 CRF
  - Finished processing:
/Users/zhangzihan/Desktop/coursevue-3.0/cypress/videos/home-page.spec.js.mp4 (0
seconds)


────────────────────────────────────────────────────────────────────────────


  Running: release.spec.js...                                      (5 of 5)


  Release page
    ✓ allows a valid course to be submitted (3251ms)
    ✓ shows error messages for incomplete form fields (1417ms)


  2 passing (5s)


(Results)

  ┌─────────────────────────────────────┐
  │ Tests:        2                     │
  │ Passing:      2                     │
  │ Failing:      0                     │
  │ Pending:      0                     │
  │ Skipped:      0                     │
  │ Screenshots:  0                     │
  │ Video:        true                  │
  │ Duration:     4 seconds             │
  │ Spec Ran:     release.spec.js       │
  └─────────────────────────────────────┘
```

(Video)

- Started processing: Compressing to 32 CRF
- Finished processing:
/Users/zhangzihan/Desktop/coursevue-3.0/cypress/videos/release.spec.js.mp4 (1
second)

===

(Run Finished)

Spec		Tests	Pass…	Fail…	Pend…	Skip…
✔ aboutus.spec.js	00:01	1	1	-	-	-
✔ contactus.spec.js	00:01	1	1	-	-	-
✔ courses.spec.js	00:11	2	2	-	-	-
✔ home-page.spec.js	00:03	3	3	-	-	-
✔ release.spec.js	00:04	2	2	-	-	-
All specs passed!	00:22	9	9	-	-	-