Vue.js

Events, models, directives, styling, watchers, requests

POWERED BY:

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1. Events
2. Models
3. Directives
4. Styling
5. Watchers
6. Requests

Events

- click, dblclick
- keyup, keydown, keypress
- mouseenter, mouseleave, mouseover, mouseout, mousemove
- blur, focus, submit, change, input
- copy, paste, cut
- event modifiers:
  .stop, .prevent, .capture, .{keyCode | keyAlias}, .native, .once, .passive,
  .left, .right, .middle, .self
- <a v-on:click.prevent="doThis">Do this</a>
- redoslijed je bitan: click.prevent.self != click.self.prevent

Models

- two-way binding
- modeli su limitirani na input, textarea, select
- modifiers: lazy, number, trim
- <v-pre>{{do not compile}}</v-pre>
- <div v-cloak>Won’t show until compiled</div>
- <div v-once>The {{message}} will never change</div>

Directives

- v-text updates text content
- v-html updates HTML content
- v-show shows/hides DOM elements
- v-if, v-else-if, v-else conditionally (re)create DOM elements
- v-for displays a repeater item (loop)
- v-on attaches an event with modifiers
- v-bind binds value to element attributes
- v-model does two-way binding on form elements
- v-pre skips compilation, retains formatting
- v-cloak waits until the element is compiled
- v-once renders the elements once only

Styling

- <div v-bind:class="{ active: isActive }"></div>
- <div v-bind:class="[activeClass, errorClass]"></div>

- <div v-bind:style="{ color: ActiveColor, fontSize: fontSize + 'px' }"></div>
- <div v-bind:style="[baseStyle, overrideStyle]"></div>
- <div v-bind:style="{ display: ['-webkit-box','flex'] }"></div>

Zadatak 1.

→ U realnom vremenu validirajte zbroj dva nasumična jednoznamenkasta broja. Zbroj unosi korisnik. Ukoliko je unos validan, ispod polja za unos zelenim slovima ispišite odgovarajuću poruku, u suprotnom koristite upozorenje crvenim slovima. CODE

Watchers

- <input type="text" v-model="question">
- watch has args: string or function, callback, config object
- config object has two settings - deep, immediate
- vm.$watch('question', function (newVal, oldVal) {}, options)
-
  ```
  var app = new Vue({
          data: data,
          watch: {
              'question': function (newVal, oldVal) {
                  }
          }
  })
  ```

Requests

- Axios (https://unpkg.com/axios/dist/axios.min.js)
- Shorthand metode:
  get, post, put, patch, head, options, delete
- axios.get(url)

```
axios.get(url)
.then(function (response) { /* SUCCESS */ })
.catch(function (error) { /* ERROR */ })
.then(function () { /* ALWAYS */ });
```

Requests

- Axios API
- axios({

```
        'method': 'GET',
        'url': 'https://example.com',
        'headers': { ... },
        'params': { ... },
        'data': { ... },
        'responseType': 'JSON',
}).then({ ... })
```

Zadatak 2.

- ➔ Napravit Vue aplikaciju koja na click dugmeta, koristeći axios library, dohvata random joke sa sljedećeg API-a (https://api.chucknorris.io/ - pogledati na stranici tačnu putanju za radnom joke).
  Aplikacija treba ispisati text šale u template.

  Dodatno možete prikazati kojim kategorijama joke pripada i njenu ikonicu (sliku).

Za vježbu

- U prethodnoj Vue aplikaciji izmjeriti vrijeme u milisekundama koje je proteklo od slanja requesta do dolaska responsa od servera.
Na stranici prikazati koliko je vremena bilo potrebno za dohvatanje joke-a.

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THANK YOU

for attention