RA

Innovating with TNEW

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TLCC – 28th July 2019

Royal
Academy
of Arts

Building on top of TNEW

TNEW provides an excellent foundation to build

beautiful, complex and performant ticketing sites . . .

. . . and all without roads . . .

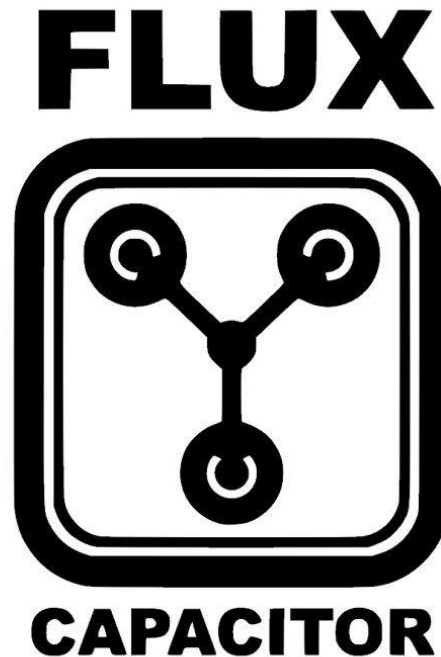. . . just a bit of CSS and Javascript

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The Royal Academy of Arts

- The Royal Academy of Arts puts on exhibitions (along with many other events/workshops)

- Large membership (100k) who get free entry but often need to book tickets

- Celebrated our 250th Anniversary

- Even more importantly around one year with Tessitura!

How we build on TNEW – in order of complexity

1) Styling and Restructuring

2) Injected Content

3) Using the API

Example Calendar Page

Calendar Page

Event Page

Basket 🛒

Wednesday 18 September 2019 – Tuesday 3 December 2019

Antony Gormley

Free e-ticket delivery and no booking fees. All ticket prices include £2.50 for a printed gallery guide.
If you would like to purchase a ticket without a gallery guide, please call us on 020 7300 8090.

Hide

Tuesday 24 September 2019

Select another date ▾ →

Continue shopping

Select an entry time

10:00 AM	10:20 AM	10:40 AM
11:00 AM	11:20 AM	11:40 AM
12:00 PM	✓ 12:20 PM	12:40 PM
1:00 PM	1:20 PM	1:40 PM
2:00 PM	2:20 PM	2:40 PM
3:00 PM	3:20 PM	3:40 PM
4:00 PM	4:20 PM	4:40 PM
	5:00 PM	

Standard with donation £24.50 — 0 ▾

Standard £22.00 — 0 ▾

Art Fund £21.00 — 0 ▾

16-18 years £18.00 — 0 ▾

Disabled person £18.00 — 0 ▾

Income Support £18.00 — 0 ▾

Standard with donation £24.50 — 0 ▾

Standard £22.00 — 0 ▾

Art Fund £21.00 — 0 ▾

16-18 years £18.00 — 0 ▾

Disabled person £18.00 — 0 ▾

Income Support £18.00 — 0 ▾

Jobseekers £18.00 — 0 ▾

Student £18.00 — 0 ▾

Under 16 £0.00 — 0 ▾

Disabled person's carer £0.00 — 0 ▾

Add to basket

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Event Page

Show me the $$$

Tickets — *Free e-ticket delivery and no booking fees. All ticket prices include £2.50 for a printed gallery guide.* ⓘ

Friend
Free — 0 ⌄

Standard with donation
£24.50   50% increase in donations
Includes a £2.50 donation. Remove donation — 0 ⌄

We're funded by art-lovers. Your donation helps us champion the artists of today and tomorrow. If you're eligible for Gift Aid, including this small donation allows us to claim 25% extra on the whole price of your ticket from the government.   *giftaid it*

Concessions and discounted tickets ⌄

Add to basket

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Technology

- JQuery

- ES6 Javascript

- Promises

```
buildWrapper(container, selectors) {
  const ticketList = container.querySelector('.tn-ticket-selector__pricetype-list')
  const wrapper = document.createElement('div')
  wrapper.classList.add('group-pricetypes')
  wrapper.innerHTML = `
    <div class="group-pricetypes_header">
      <span>Concessions and discounted tickets</span>
      <span class="arrow"></span>
    </div>
    <ul class="group-pricetypes_list"></ul>
  `
  ticketList.parentNode.insertBefore(wrapper, ticketList.nextSibling)
  wrapper.querySelector('.group-pricetypes_header').addEventListener('click', () => this.toggleListView(wrapper))
  const wrapperList = wrapper.querySelector('.group-pricetypes_list')
  this.appendSelectorsToList(wrapperList, selectors)
}
```

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Technology – Various Utility Classes

- Wait for element to appear

```
waitForElement('.tn-cart-totals__line-item--subtotal').then(() => {
  $('.tn-promo-box').insertAfter('.tn-cart-totals__line-item--subtotal');
})
```

- Move parts of the page

```
moveAndAttach({
  element: '.tn-heading-info',
  attachTo: '#tn-update-form',
  method: 'prepend',
})
```

- TNEW Api

```
const endpoint = '/session/cart'

tnewApi({ endpoint })
  .then(data => addItemsToBasket(data))
  .catch(reason => console.error(`Couldn't get cart: ${reason}`))
```

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Other highlights

- API to check if email exists as user types

- New customer email passes through to account create page

Returning customers

If you already have an account, please log in to continue.

✖ Email address   Required

notvalid@example.com

No user with that email exists in our system. Please register an account.

Password   Required

·

Sign in

Can't log in to your account? Reset your password

New customers

Create an account to checkout quickly in the future and manage your account details.

Email address

Register

Summary

- TNEW provides a excellent building block to create a strong

  ecommerce site

- We use styling, injected content and the API to add features to

  the site reflecting our customers' needs

- Excellent feedback from the community and users – improved

  ticket flow and increase in donations

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