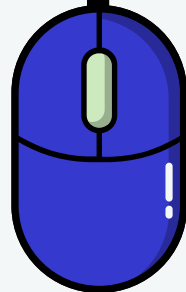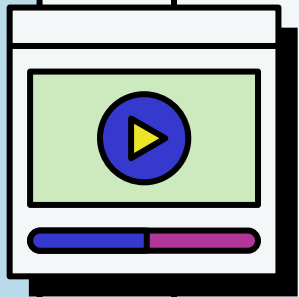# Reacting to the Registrar:

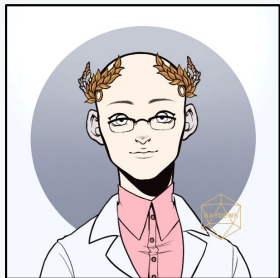## The Process of Delivering a Digital Product

Jackson Arnold, **Odile Clements**, Michael Liao, Joanna McGill, Diego Sic, Iqbol Temirkhojaev, Emily Zhuang

Research Participation Course Design with React
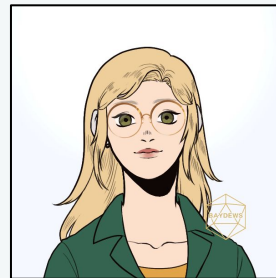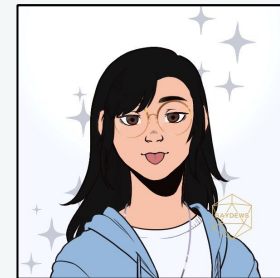Dr. Michael Bradshaw

Team Members

Dr. Michael Bradshaw

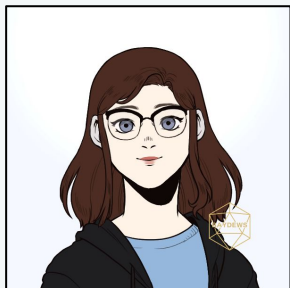Jackson Arnold

Odile Clements

Michael Liao

Joanna McGill

Diego Sic
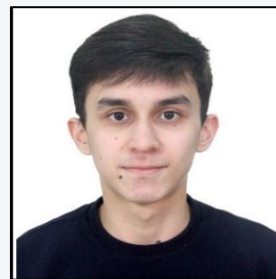
Iqbol Temirkhojaev
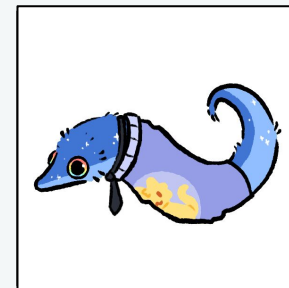
Emily Zhuang

Product Request

→ Registrar Office spreadsheet

→ Make new transfer credit website

→ Show all accepted transfer credits

Prototype
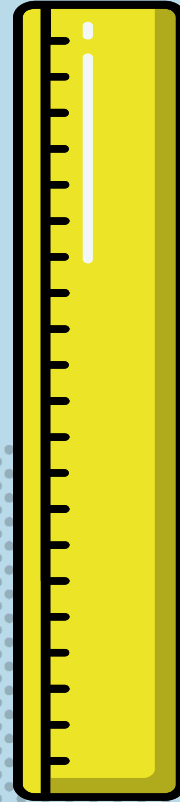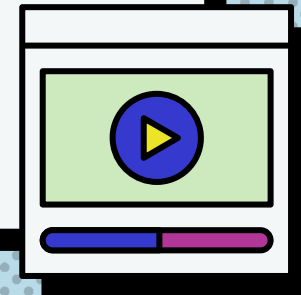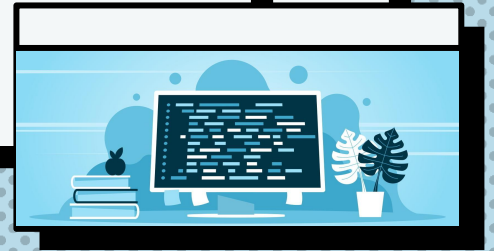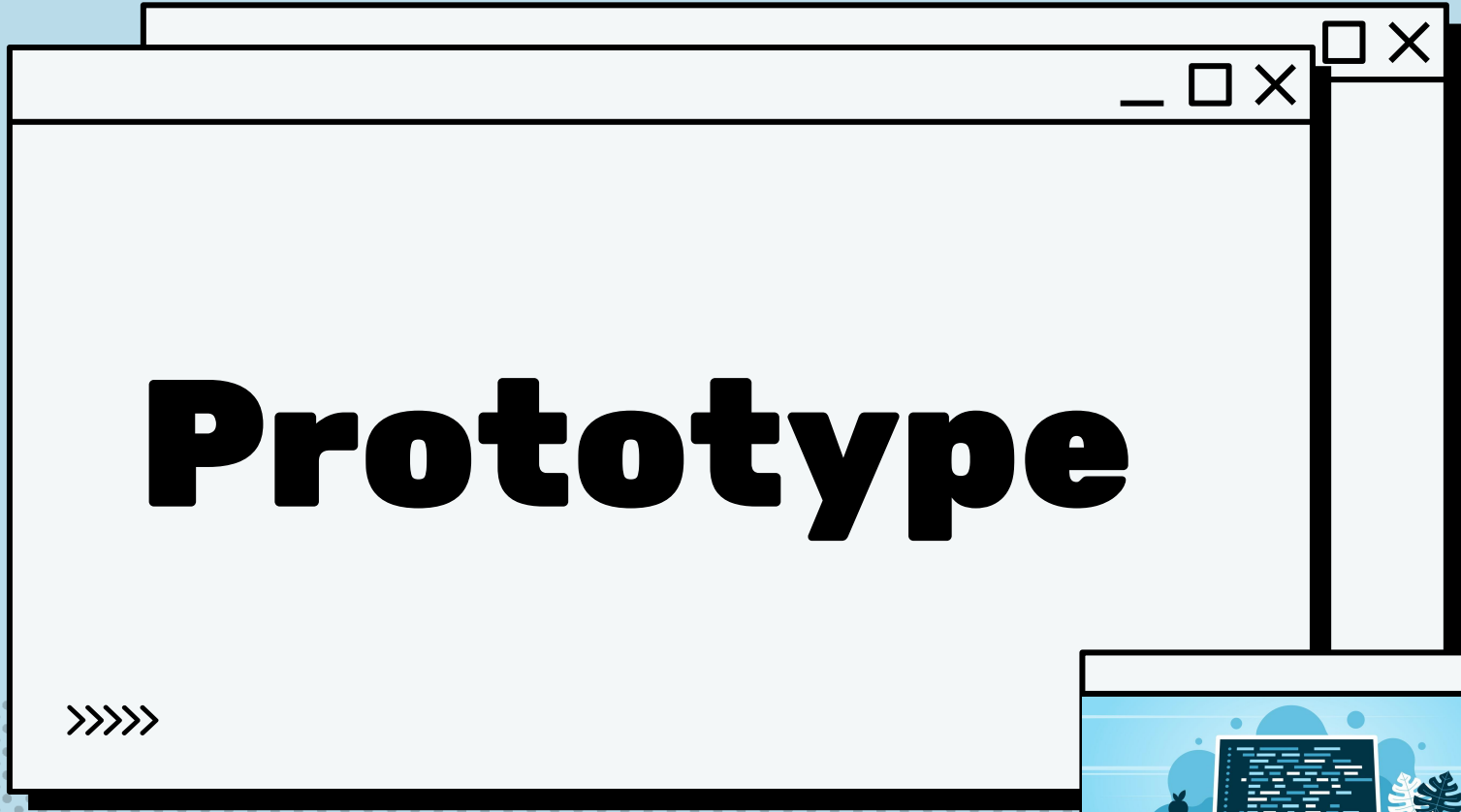
Background

- → Weekly meetings

- → Project-based learning

- → Collaborative final project

Challenges

- → Learning as we went
- → 'Programmed ourselves into corner'
- → Complete rebuild required
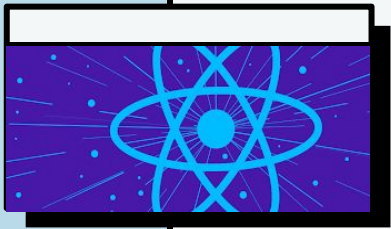
What is React?

→ Framework to build interactive webpages

◆ Created by Meta

◆ Uses data to create webpage
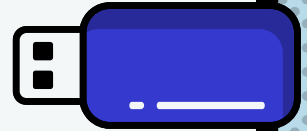
Initial Product Design

Centre College Transfer Policy

Transfer Credits

Please use this website to verify which courses transfer across universities. If your original credit was given by a traditional college or university, please see the transfer credit page.

Home | Transfer Credits | AP Credits | Study Abroad | Forms

Institutions

Enter college name:

Centre College, Danville KY

School Name

- Asbury University
- Auburn University
- Berry College
- Bard College
- Bellarmine University
- Belmont University
- Big Sandy Community & Technical
- Bluegrass Comm. & Technical Coll
- Boston University
- Brooklyn College of the City Uni
- Bucknell University
- Bunker Hill Community College
- Caldwell Community College & Tec

Saved Courses

Rewarding Institution	Course Name	Centre Equivalency	Centre Credits	Remove from list?
Berry College	Applied Calculus	Pure Elective	3	☑
College Of The Canyons	Fund of Public Speaking	Pure Elective	3	☑
Eastern Kentucky University	Cell and Molecular Biology	Pure Elective	4	☑
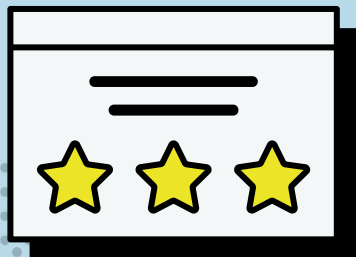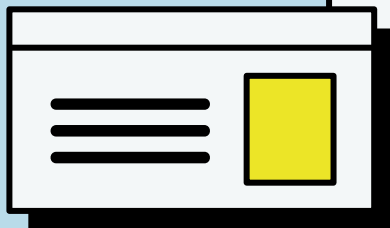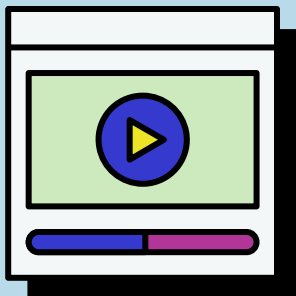
Production

Adding Testing Features

>>>>>

➔ Important for maintenance
➔ Finds coding errors
➔ Lasting, quality product

.....

```
✓ src/tests/CourseTable.test.jsx (5)
✓ src/tests/CourseRequestForm.test.jsx (3)
✓ src/tests/InstitutionTable.test.jsx (3)
✓ src/tests/APCredits.test.jsx (3)
✓ src/tests/useFetchCourses.test.jsx (6)
✓ src/tests/App.test.jsx (4)
✓ src/tests/InstitutionListing.test.jsx (1)
✓ src/tests/CourseListing.test.jsx (2)
✓ src/tests/StudyAbroad.test.jsx (4)
✓ src/tests/InstitutionSearch.test.jsx (1)
✓ src/tests/Layout.test.jsx (1)
✓ src/tests/APCourseListing.test.jsx (1)
✓ src/tests/util.test.jsx (2)

Test Files  13 passed (13)
     Tests  36 passed (36)
```

```
Test Files  1 failed (1)
     Tests  1 failed | 3 passed (4)
```

Product Premiere

- → Set up meetings with stakeholders
  - ◆ Takes time to set up meetings
- → Approached to offer service
  - ◆ "Receptivity to feedback"
- → Positive impression
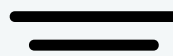
Reality Check

➔ Meet with their professional developers

◆ Had technical concerns

➔ Goal posts moved

Relationship Problems

➜ Initial design created a platform
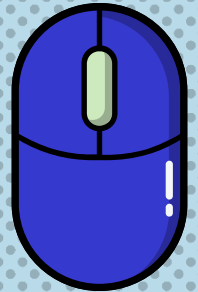
➜ Needed to fit in Centre College's website

➜ Had to rework most of the layout/design

➜ Find a way to embed it

the Study Abroad page to view the past accepted study abroad transfer credits.

Transfer Credits   AP Credits   Study Abroad

Saved Courses   +

Institutions

Enter college name:

Search courses...

School Name
Asbury University
Auburn University
Berry College

Saved Courses   +

free to browse at your leisure; clicking on the checkboxes next to a course you're looking at will save it to your Saved Course Summary so you can see your progress as you go, or add courses from multiple institutions.

Rewarding Institution	Course Name	Centre Equivalency	Centre Credits	Add to list?
Bellarmine University	Hnors FY Seminar: Refugees	Pure Elective	3	☐
Bellarmine University	Honors History:Global Europe	Pure Elective	3	☐
Bellarmine University	Introduction to Business	Pure Elective	3	☐

University	Europe			
Bellarmine	Introduction to	Pure Elective	3	☐

Saved Courses   +

Bellarmine University	Introductory Psychology	Survey of Psychological Science	3	☐
Bellarmine University	Prin of Financial Accounting	Financial Accounting	3	☐
Bellarmine University	Prin ofManagerial Accounting	Managerial Accounting	3	☐
Bellarmine University	Principles of Macroeconomics	Pure Elective	3	☐
Bellarmine University	Principles of Microeconomics	Pure Elective	3	☐
Bellarmine	Calculus II	Calculus-II	4	☐

Challenges

Sticky Button Fiasco:
➔   Sticky Property
➔   Sticky Spacing

Fixing the Design
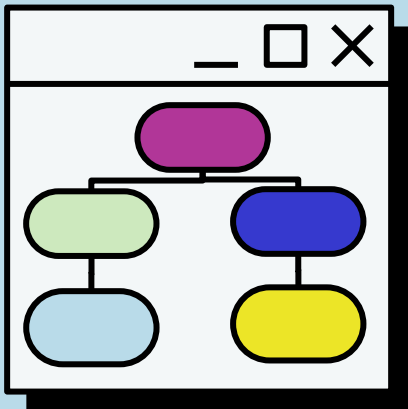
➔   Contrasting designs

◆   Adjust our design

➔   Adjusting small

appearance flaws

Implementation

→ Add Updates

→ GitHub Actions

◆ Run Tests

◆ Single file

◆ Embeds

→ Long term quick iteration

→ Control over changes

What's Next?

➜ Website going live
➜ New React class for CS

Thank You!

Centre Transfer Credits