

COMP6080

Other - Demo

Lecture 7.1

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FAQs!

Why aren't we learning VueJS? Or AngularJS?

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Not enough time + we teach what is popular



ReactJS Intro

We're going to use this lecture to give you a simple introduction to basic ReactJS App. To do this, we will re-explore an activity from week 4.



Let's Demo Together!

Build a website that has the following features

Message Composer

- Display the title " Invite your friends to join CSE!"
- Include a textarea pre-filled with a welcome message.
- Display a live character counter.
- Maximum length is 250 characters.
- When there are fewer than 20 characters remaining, highlight the counter in orange.
- When the limit is exceeded:
 - prevent submission,
 - colour the textarea background red,
 - display an error message.

Recipient Management

- Begin with one email input.
- Users can click **Add Recipient** to add another email field.
- Limit to **10** recipients.
- Each field should have a **Remove** button (except when only one remains).
- Prevent duplicate email addresses.
- Invalid email addresses should display an inline validation message.
- Show a running summary:
 - Total recipients
 - Valid recipients
 - Invalid recipients

Invite Settings

- Add a dropdown for:
 - Undergraduate
 - Postgraduate
 - Staff
- Add checkboxes:
 - Include orientation information
 - Include Discord invite
 - Subscribe recipient to newsletter
- Add a radio group selecting invitation priority:
 - Normal
 - Important
 - Urgent

Live Preview

- Show a preview card that updates as the user types.
- Display:
 - Subject
 - Message
 - Recipient count
 - Selected options
- If there are no valid recipients, show a placeholder message instead.

Confirmation Flow

- Clicking **Send Invitations** should **not** immediately submit.
- Instead show a confirmation screen containing:
 - The message
 - Number of recipients
 - List of valid recipients
 - List of invalid recipients
 - Selected options
- Provide:
 - **Back** button
 - **Confirm & Send** button

Success Screen

- After confirmation:
 - Display a success message.
 - Show how many invitations were sent.
 - Show how many were skipped due to validation.
 - Include a **Start Over** button that resets the entire form.

Styling

- Use **Tailwind CSS**.
- Build the page as a responsive card layout.
- On desktop, show the form and preview side-by-side.
- On mobile, stack them vertically.
- Use icons where appropriate.
- Disable buttons when actions are invalid (e.g. Add Recipient at 10, Send with no valid recipients).

Bonus (If Time Permits)

- Persist the form in **localStorage** so refreshing the page restores progress.
- Animate adding/removing recipients.
- Add dark mode support.

Feedback



Or go to the [form here](#).

