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# REACT ROUTER

Presented by hema vardhan

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# error element

when there is some kind of error when visited the page  
then we will throw custom error and display error page  
respectively for those errors

to handle errors here we have to do two things:

1. handle errors in loader function and throw error when encountered an error
2. make an error component and register that to respective Route component

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# Overview

**01** Introduction

**02** Problem

**03** Literary Preview

**04** Theoretical

**05** Objective

**06** Hypothesis

**07** Methodology

**08** Implementation

**09** Result

**10** Conclusion

**11** Recommendation

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# step1:

- handle error in the respective loader function using `throw Error("some message")`
- now create a page for that error display and receive error in that component using a special hook `"useRouteError"` in react-router-dom



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# step2:

- now send this newly created error Page for respective route into the Route using props named “errorElement={<ErrorPageWeCreated/>}”
- here whatever errors are throwed by the loader will be caught by this errorElement props and uses it using useRouteError() and display the component we passed to it

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# ways

## 01: in child route

we can give `errorElement` a component and handle in child itself

## 02: in parent route

for all child routes we just give `errorElement` a component and handle every error occurred in child and parent in one place if there's a layout it swaps with `errorElement` component when error pops from any of the child or loader or parent itself

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# BREADCRUM

## Overview

breadcrumbs are the list of locations user has visited to reach current destination

- “useLocation” hook is a special hook used to get users location in the website it has this parameter in result it returns named pathname
- pathname parameter in result has the path we are currently in

## pathname

in this useLocation hook the result returned will have a property named pathname which literally gets path names till that destination excluding base route

eg: pathname: “home/me/email”

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# Thank You

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