

System Design

Team:

Coding Lads

Members:

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Frontend CRC:

App
Responsibility: Routing between the main web pages
Collaborator: Sidebar, Landing, SignIn, SignUp, UserDashboard, OrgDashboard, ExploreOpportunities, ManageOpportunities,, ExploreCourses, ManageCourses, Community, Billing, UserContextProvider, PrivateRoute
Parent Class: None
Child Class(es): None

UserContextProvider
Responsibility: Provides context for signed in user's web pages.
Collaborator:
Parent Class: None
Child Class(es): None

PrivateRoute
Responsibility: Routes between signed in user's web pages.
Collaborator: UserContextProvider
Parent Class: None
Child Class(es): None

Sidebar
Responsibility: Display options for users to navigate to different tabs

Collaborator: UserContextConsumer
Parent Class: None
Child Class(es): None

SignUp
Responsibility: Web page for user to sign up
Collaborator: None
Parent Class: None
Child Class(es): None

SignIn
Responsibility: Web page for user to sign in
Collaborator: UserContextProvider
Parent Class: None
Child Class(es): None

Dashboard
Responsibility: Displays calendar events, current courses, suggested events, and news
Collaborator: UserContextConsumer
Parent Class: None
Child Class(es): None

Calender
Responsibility: Displays a calender with user-created events on it

Collaborator: None
Parent Class: None
Child Class(es): None

News
Responsibility: Display any news related to the user
Collaborator: None
Parent Class: None
Child Class(es): None

Workshop
Responsibility: Display workshop events that the user is part of
Collaborator: None
Parent Class: None
Child Class(es): None

YourCourses
Responsibility: Display courses that the user is part of
Collaborator: None
Parent Class: None
Child Class(es): None

ExploreOpportunities

Responsibility: Display listing of available employment, volunteer, and consulting opportunities
Collaborator: OpportunityCard
Parent Class: None
Child Class(es): None

MyOpportunities
Responsibility: Display listing of employment, volunteer, and consulting opportunities that user applied for (if impact learner/consultant) or created (if social initiative)
Collaborator: OpportunityCard
Parent Class: None
Child Class(es): None

OpportunityCard
Responsibility: Display title and description of a particular opportunity
Collaborator: None
Parent Class: None
Child Class(es): None

CreateOpportunity
Responsibility: Page for social initiatives to create a new opportunity.
Collaborator: None
Parent Class: None
Child Class(es): None

ManageOpportunity

Responsibility: Page for social initiatives to manage an existing opportunity.
Collaborator: None
Parent Class: None
Child Class(es): None

ExploreCourses
Responsibility: Displays a list of courses that users can enroll in.
Collaborator:
Parent Class: None
Child Class(es): None

MyCourses
Responsibility: Displays a list of enrolled courses that users can click into for more information.
Collaborator:
Parent Class: None
Child Class(es): None

Community
Responsibility: Displays a forum for each course user is enrolled in.
Collaborator:
Parent Class: None
Child Class(es): None

Billing
Responsibility: Displays earnings and invoices.

Collaborator:
Parent Class: None
Child Class(es): None

User	
ImpactConsultant, ImpactLearner	
<ul style="list-style-type: none"> • Knows name • Knows email • knows password • knows age 	

Interface	Role
<ul style="list-style-type: none"> • Represent different roles for a user 	<ul style="list-style-type: none"> • User

ImpactLearner	
User	
<ul style="list-style-type: none"> • knows name • knows email • knows password • can take courses • can manage applications • can manage events • can manage invoice • can manage social initiatives 	<ul style="list-style-type: none"> • Postings • Course • Application • Event • Invoice • SocialInit

ImpactConsultant	
User	
<ul style="list-style-type: none"> • knows name • knows email • knows password • manages courses • manages applications • can view events • manage invoice 	<ul style="list-style-type: none"> • Course • Application • Events • Invoice • Social Initiative

Application

- | | |
|--|--|
| <ul style="list-style-type: none">• knows date | <ul style="list-style-type: none">• Posting• impact learner• impact consultant |
|--|--|

Posting

- | | |
|---|--|
| <ul style="list-style-type: none">• knows date• knows name• knows description | <ul style="list-style-type: none">• impact learner• impact consultant• application• social initiative |
|---|--|

Invoice

- | | |
|--|--|
| <ul style="list-style-type: none">• knows User• knows billing information | <ul style="list-style-type: none">• impact learner• impact consultant |
|--|--|

Course

- | | |
|--|---|
| <ul style="list-style-type: none">• knows name• knows description | <ul style="list-style-type: none">• Impact learner• Impact consultant• lectures• social initiative |
|--|---|

Lecture

- | | |
|---|--|
| <ul style="list-style-type: none">• Knows lecture times | <ul style="list-style-type: none">• Course |
|---|--|

Event

- knows date
- knows description
- knows name

- impact learner
- impact consultant
- social initiative

SocialInitiative

- knows name
- knows description

- impact learner
- impact consultant
- course
- posting
- event