

Uimpactify System Design

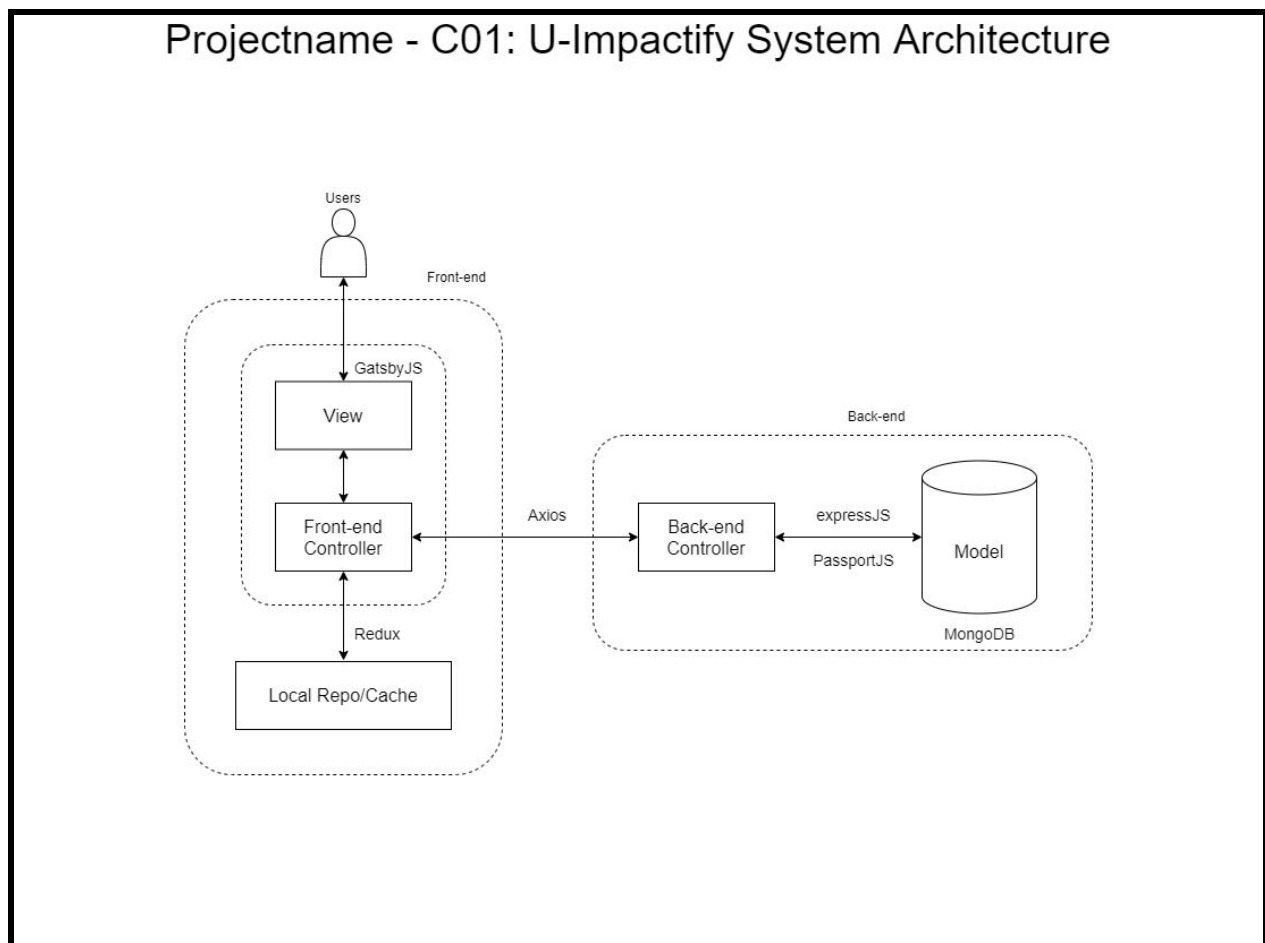
Projectname C01

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System Architecture Diagram



View: (GatsbyJS)

- Responsible for presenting the users with the pages that they can interact with

Front-end Controllers: (Redux and Axios)

CRC Cards

FRONT END

Pages

Nav Bar	
Parent: Subclass: Responsibility: <ul style="list-style-type: none">- Links to each collaborator	Collaborators: Home About Solutions Pricing Signup Login

Home	
Parent: Subclass: <ul style="list-style-type: none">- What is UImpactify- Why UImpactify- Who we serve- Testimonials Responsibility: <ul style="list-style-type: none">- Provide users with an overview of UImpactify as a product	Collaborators: NavBar Signup Solutions

Solutions	
Parent: Subclass: <ul style="list-style-type: none">- Solutions Teacher- Solutions Students- Solutions Page- Explore classes Responsibility: <ul style="list-style-type: none">- Provide either teacher or students information about what makes UImpactify pop out from other	Collaborators: NavBar Signup

competitors	
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Solutions teacher	
Parent: Solutions Subclass: <ul style="list-style-type: none"> - WhatMakesU-ImpactifySpeical_I - ImgTitleDescComponent_I Responsibility: <ul style="list-style-type: none"> - Provide teachers information on what UImpactify provides for them 	

Solutions student	
Parent: Solutions Subclass: <ul style="list-style-type: none"> - WhatMakesU-ImpactifySpeical_S - ImgTitleDescComponent_S - DevelopNewSkillsAndknowledge_S Responsibility: <ul style="list-style-type: none"> - Provide students information on what UImpactify provides for them 	

Pricing	
Parent: Subclass: <ul style="list-style-type: none"> - Pricing Options - Questions - Included Plans Responsibility: <ul style="list-style-type: none"> - Shows pricing details for Uimpactify 	Collaborators: Navbar Signup

Dashboard

Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS - DashboardLayoutC - DashboardLayoutI - LoadingComponent Responsibility: <ul style="list-style-type: none"> - Home dashboard for users once logged in 	Collaborators: services/authorization/sign-in
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upload-assignments	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Display a page that lets a consultant upload a assignments 	Collaborators: UploadAssignments

create-lecture	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Display a page that lets a consultant upload a lecture 	Collaborators: create-lectures

Pricing	
Parent: Subclass: <ul style="list-style-type: none"> - Pricing Options - Questions - Included Plans Responsibility: <ul style="list-style-type: none"> - Shows pricing details for Uimpactify 	Collaborators: Navbar Signup

refresh	
Parent: Subclass: <ul style="list-style-type: none"> - Pricing Options - Questions - Included Plans Responsibility: <ul style="list-style-type: none"> - Page that calls refresh to clear and repopulate the page 	Collaborators:

Dashboards

dashboard/achievements	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS Responsibility: <ul style="list-style-type: none"> - Page to show achievements 	Collaborators:

dashboard/billing&Marketing	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutC Responsibility: <ul style="list-style-type: none"> - Page to show billing and marketing 	Collaborators:

dashboard/classes	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS - DashboardLayoutC - DashboardLayoutI - ExploreClassesPage 	Collaborators: services/authorization/sign-in

<ul style="list-style-type: none"> - LoadingComponent - CreateClass Responsibility: <ul style="list-style-type: none"> - Page to show classes 	
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dashboard/community	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS - DashboardLayoutC Responsibility: <ul style="list-style-type: none"> - Page component for community 	Collaborators:

dashboard/giving-garden	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS - DashboardLayoutC Responsibility: <ul style="list-style-type: none"> - Page component for giving garden 	Collaborators:

dashboard/mailbox	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS - DashboardLayoutC Responsibility: <ul style="list-style-type: none"> - Page component for mailbox 	Collaborators:

dashboard/opportunities	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutI 	Collaborators:

Responsibility: <ul style="list-style-type: none"> - Page for opportunities 	
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dashboard/request	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutC Responsibility: <ul style="list-style-type: none"> - Page for creating requests to giving garden 	Collaborators: Seo

dashboard/organization	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS Responsibility: <ul style="list-style-type: none"> - Page template for organization 	Collaborators:

dashboard/reviews&Feedback	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutC Responsibility: <ul style="list-style-type: none"> - Page for reviews and feedback 	Collaborators:

dashboard/scheduling	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS - DashboardLayoutC Responsibility: <ul style="list-style-type: none"> - Page for scheduling 	Collaborators:

dashboard/setting	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS - DashboardLayoutC - DashboardLayoutI Responsibility: <ul style="list-style-type: none"> - Page for setting 	Collaborators:

dashboard/socialInitiatives	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutS Responsibility: <ul style="list-style-type: none"> - Page for social initiatives 	Collaborators:

students/explore-organisation	
Parent: Subclass: <ul style="list-style-type: none"> - DashboardLayoutsI Responsibility: <ul style="list-style-type: none"> - Page for exploring organization 	Collaborators:

initiative/create-organisation	
Parent: Subclass: <ul style="list-style-type: none"> - Layout Responsibility: <ul style="list-style-type: none"> - Page for creating organization 	Collaborators:

organisation/create-jobs

Parent: Subclass: - Layout Responsibility: - Page for creating jobs	Collaborators:
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Services

services/authorization/sign-up	
Parent: Subclass: Sign Up page Responsibility: - Create POST request to post users	Sign Up

services/registration/Sign-in	
Parent: Subclass: Responsibility: - Authenticated user for sign-in and sign-out processes	Sign in

repoRemote/authorization	
Parent: Subclass: Responsibility: - Acts as a middleware for frontend to back end connection for logging/registering users events	Collaborators: Axios Redux repoLocal/authorization

repoRemote/classes	
Parent: Subclass: Responsibility:	Collaborators: Axios Redux

<ul style="list-style-type: none"> - Acts as a middleware for frontend to back end connection for get/post/updating classes 	repoLocal/classes
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repoRemote/organization	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts as a middleware for frontend to back end connection for get/post/updating organization 	Collaborators: Axios Redux repoLocal/organization

repoRemote/jobs	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts as a middleware for frontend to back end connection for get/post/updating jobs 	Collaborators: Axios Redux repoLocal/jobs

repoLocal/authorization	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Bundles and handles all actions related to user interactions 	Collaborators:

repoLocal/classes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Bundles and handles all actions related to user interactions 	Collaborators: Axios

repoLocal/organization	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Bundles and handles all actions related to user interactions 	Collaborators: Axios

repoLocal/jobs	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Bundles and handles all actions related to user interactions 	Collaborators: Axios

repoLocal/store	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Stores Json objects from easy access to the front end 	Collaborators: Redux Classes Jobs organization authorization

Axios

axios/AssignmentCalls	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts a intermediary for backend calls to frontend for Assignment related calls 	Collaborators: axios

axios/ClassCalls	
Parent: Subclass:	Collaborators: axios

Responsibility: <ul style="list-style-type: none"> - Acts a intermediary for backend calls to frontend for Class related calls 	
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axios/EnrollCalls	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts a intermediary for backend calls to frontend for Enroll related calls 	Collaborators: axios

axios/JobCalls	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts a intermediary for backend calls to frontend for Job related calls 	Collaborators: axios

axios/LectureCalls	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts a intermediary for backend calls to frontend for Lecture related calls 	Collaborators: axios

axios/OrgCalls	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts a intermediary for backend calls to frontend for Organization related calls 	Collaborators: axios

axios/RequestCalls	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts a intermediary for backend calls to frontend for Request related calls 	Collaborators: axios

axios/SubmissionCalls	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts a intermediary for backend calls to frontend for Submissions related calls 	Collaborators: axios

axios/UserCalls	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Acts a intermediary for backend calls to frontend for user related calls 	Collaborators: axios

UI

Base

base/footer

Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Contains relevant links and information of the company at the bottom of each page 	Collaborators:
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base/header	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Quick access components found at the top of each page 	Collaborators:

base/layout	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Container for all of components on a given page 	Collaborators:

base/seo	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Holds metadata for a variety of components differing per page 	Collaborators:

Consultant

Consultant/assignment-details	
Parent:	Collaborators:

Subclass: Responsibility: <ul style="list-style-type: none"> - Holds details for a specific assignment 	
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Consultant/lecture-details	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Hold details for a specific lecture 	Collaborators:

Consultant/create-class	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Page for creating a class 	Collaborators: Form

Consultant/lecture	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Page for creating a lecture 	Collaborators:

Consultant/request_box	
Parent: Subclass: request Responsibility: <ul style="list-style-type: none"> - Uses the axios calls to process back end data involving giving garden requests 	Collaborators: RequestCall

Consultant/upload-assignment	
Parent: Subclass: request Responsibility: <ul style="list-style-type: none"> - Pop up box that allows consultants to upload assignments 	Collaborators: RequestCall

Consultant/lecture	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Page for creating a lecture 	Collaborators:

Initiative

initative/CreateOrg	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Contains frontend endpoints that allows initiatives to set up their organizations information 	Collaborators: Material UI Form

Organization

organization/CreateJob	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Contains frontend endpoints that allows initiatives to set up their job opportunities 	Collaborators: Material UI Form

Student/Explore Classes

Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Display a dynamic page of all the available classes 	Collaborators: LoadingComponent ClassCalls
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Student/Explore Classes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Display a dynamic page of all the available Jobs 	Collaborators: LoadingComponent OrgCalls

Home

Home/404	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Components for error page 	Collaborators:

Home/about	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Contains components for about page 	Collaborators: AboutComponent

Home/pricing	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Contains components for about pricing 	Collaborators: PricingComponent

Home/solution	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Contains components for about solutions 	SolutionsComponents

BACK END

server	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Handles connection to the MongoDB database 	Collaborators: Routes/index

passportConfig	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Perform authentication checks for users to log in 	Collaborators: User

Routes

Routes/index	
Parent: Subclass: <ul style="list-style-type: none">- AuthRoutes Responsibility: <ul style="list-style-type: none">- Receive and compiles requests from API endpoints from each of the route classes	Collaborators: Routes/AuthRoutes Routes/ClassRoutes Routes/JobRoutes Routes/OrganizationRoutes Routes/AssignmentRoutes Routes/EnrolledRoutes Routes/LectureRoutes Routes/RequestRoutes Routes/SubmissionRoutes

Routes/AuthRoutes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none">- Receive requests from API that endpoints and uses Authenticate to process the requests	Collaborators: Authenticate

Routes/ClassRoutes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none">- Receive requests from API that endpoints and uses ClassActionsto process the requests	Collaborators: ClassActions

Routes/JobRoutes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none">- Receive requests from API that endpoints and uses JobAction to	Collaborators: JobAction

process the requests	
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Routes/OrganizationRoutes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Receive requests from API that endpoints and uses OrganizationAction to process the requests 	Collaborators: OrganizationAction

Routes/AssignmentRoutes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Receive requests from API that endpoints and uses AssignmentAction to process the requests 	Collaborators: AssignmentAction

Routes/EnrolledRoutes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Receive requests from API that endpoints and uses EnrolledAction to process the requests 	Collaborators: EnrolledAction

Routes/SubmissionRoutes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Receive requests from API that endpoints and uses SubmissionAction to process the requests 	Collaborators: SubmissionAction

Routes/LectureRoutes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Receive requests from API that endpoints and uses LectureAction to process the requests 	Collaborators: LectureAction

Routes/RequestRoutes	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Receive requests from API that endpoints and uses RequestAction to process the requests 	Collaborators: RequestAction

Action

Authenticate	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Receive requests from Routes/AuthRoutes and send the information to UserActions to be handled 	Collaborators: UserActions passportConfig

UserActions	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Inserts/Get/Update/Delete user record into MongoDB 	Collaborators: User

ClassActions

Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Inserts/Get/Update/Delete Classes record into MongoDB 	Collaborators: Class
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OrganizationActions	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Inserts/Get/Update/Delete Organization record into MongoDB 	Collaborators: Organization

JobActions	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Inserts/Get/Update/Delete Job record into MongoDB 	Collaborators: Job

AssignmentActions	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Inserts/Get/Update/Delete Assignment record into MongoDB 	Collaborators: Assignment

EnrolledActions	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Inserts/Get/Update/Delete Enrolled record into MongoDB 	Collaborators: Enrolled

LectureActions	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Inserts/Get/Update/Delete Lecture record into MongoDB 	Collaborators: Lecture

LectureActions	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Inserts/Get/Update/Delete Lecture Submission into MongoDB 	Collaborators: Submission

RequestActions	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Receive requests from API that handles the updating and creation of giving garden requests from initiatives and students 	Collaborators: GivingGardenRequests

Schemas

User	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - MongoDB object. Sets the schema for User 	

Class	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - MongoDB object. Sets the schema for Class 	

Organization	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - MongoDB object. Sets the schema for Organization 	

Jobs	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - MongoDB object. Sets the schema for Jobs 	

Enrolled	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - MongoDB object. Sets the schema for Enrolled 	

Assignment

Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - MongoDB object. Sets the schema for Assignment 	
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Lecture	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - MongoDB object. Sets the schema for Lectures 	

Submissions	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - MongoDB object. Sets the schema for submissions 	

GivingGardenRequests	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - MongoDB object. Sets the schema for Giving Garden Requests 	