

Uimpactify System Design

Projectname C01

Kyle Carlos
Ivan Ariyanta
Felix Indrawan
Jay Zhao
Siddhant Singh
Asad Ali Kazim
Bhavya Jain

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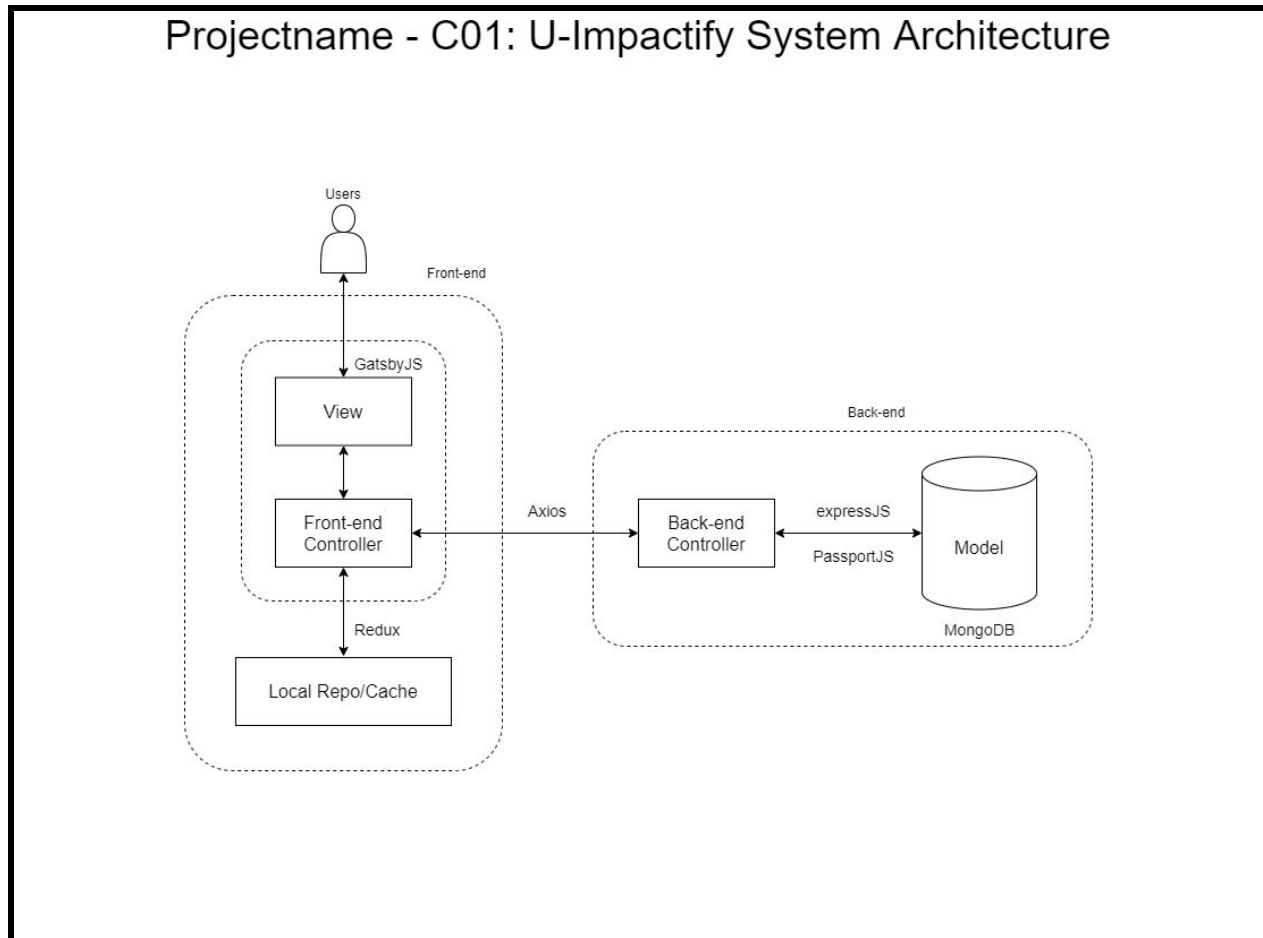
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System Architecture Diagram



View: (GatsbyJS)

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

Front-end Controllers: (Redux and Axios)

- Responsible for linking the front-end and back-end with transferring and retrieving information between the front-end to the back end

Back-end Controllers: (ExpressJS, PassportJS)

- Responsible for receiving, processing, handling and implementing the requests

Model: (ExpressJS, MongoDB)

- Responsible for managing and manipulating the database (MongoDB)

Error handling is done throughout the components, mainly within the back-end controllers (ExpressJS and PassportJS) and Model (verify data using the database). For more info: <https://app.swaggerhub.com/apis/Projectname-C01/UImpactify-Backend-API/1.0.0>

CRC Cards

FRONT END

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 Ulmpactify- Why Ulmpactify- Who we serve- Testimonials Responsibility: <ul style="list-style-type: none">- Provide users with an overview of Ulmpactify 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 Ulmpactify pop out from other competitors	Collaborators: NavBar Signup

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 - DevelopNewSkillsAndnowledge_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

Signup	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Page to allow users to create 	Collaborators: Navbar Login

accounts based on how they will use Umpactify	
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Sign in	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Page to log registered users into the dashboard 	Collaborators: Navbar

services/authorization/sign-up	
Parent: Subclass: Sign Up page Responsibility: <ul style="list-style-type: none"> - Create POST request to post users 	Sign Up

services/registration/Sign-in	
Parent: Subclass: Responsibility: <ul style="list-style-type: none"> - Authenticated user for sign-in and sign-out processes 	Sign in

BACK END

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

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/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

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

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

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

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