

PROJECT DETAILS: User Experience - Onboarding			
OVERVIEW	Projects & To-do Manager	Primary Domains	Location Paths
		mdolce-react-portfolio/README.md at main · mrsdo/mdolce-react-portfolio (github.com)	\$NAS/shared-development/nodejs-server
		mrsdo-vacation-listings-mobile - Snack (expo.dev)	
		MDolceReactNative - Snack (expo.dev)	
BUSINES	Client or Sponsor	Budget	Team Communications Lead
R. Dolce Group	NA		
'REQUIREMENTS	Milestones		
	<p>Goal: User Registration, Login with JWT</p> <ul style="list-style-type: none"> • React Native • Forms • React Store – State management • React Hooks – Component-level logic • Redux/Redux Toolkit – Global state management 		
TEAM	Lead Programmer/Developer	Contact	
	Martinique Dolce	marti@rdolcegroup.com	

PROJECT OBJECTIVES & SCOPE:

R. Dolce Group - Project Management Admin Dashboard HTML Template

Version: 1.0.0

Last Updated: January 3, 2023

Author: 29SIGNALS

1. Building A User Access Application with Role Limitations?

The goal of this project is to begin the process of developing a react app exploring role-based user authentication and registration. It is the first phase of a much larger goal of developing a much larger system, which has yet to be defined. What I know is that there will be users, and they need a way to access the system. I also realize the system needs to be roles based. Certain areas need to be restricted.

This application seeks to resolve user access issues by providing a more nuanced user experience for both admins and end-users, which includes a process for providing roles-based restrictions. Currently, the most efficient way to do this is to consider a MERN stack.

Consider the project limitations: We must use MongoDB and Node.js per the Job technical specifications. We need a Front-end that can communicate, store information, and interface with the back end and middle-tiers. This is in essence a MERN Stack.

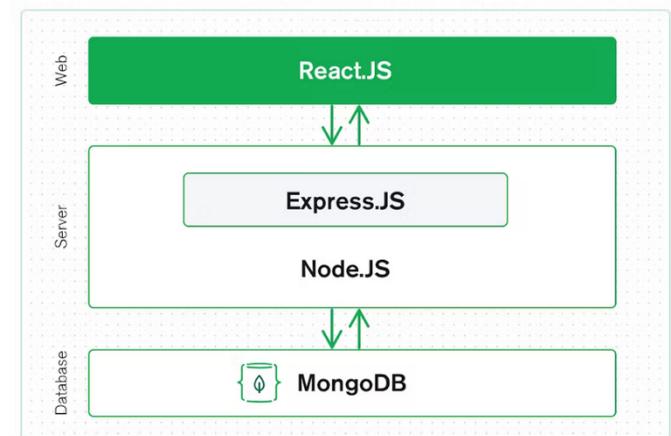
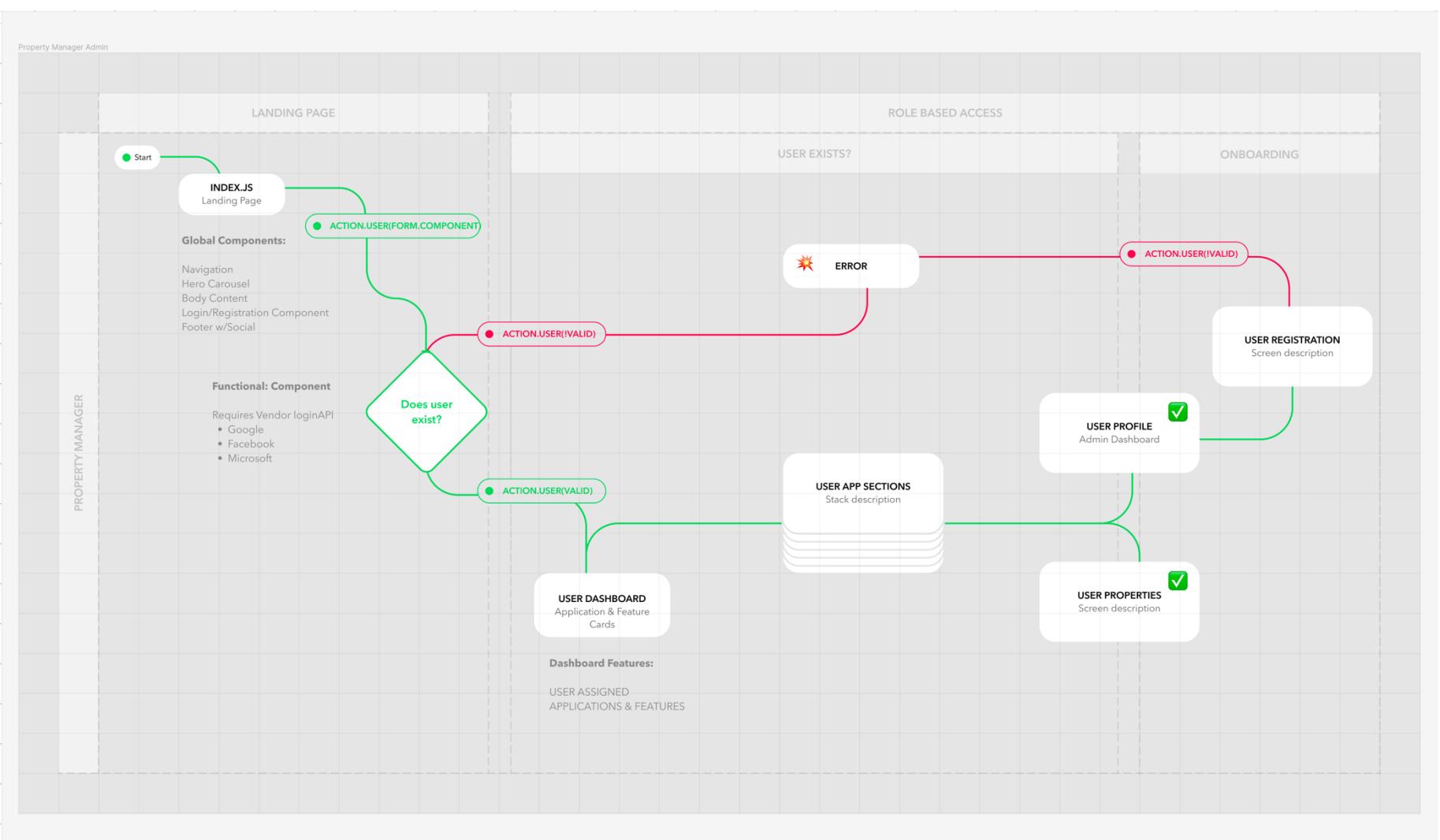


Figure 1: MongoDB MERN Stack Illustration
<https://www.mongodb.com/languages/mern-stack-tutorial>

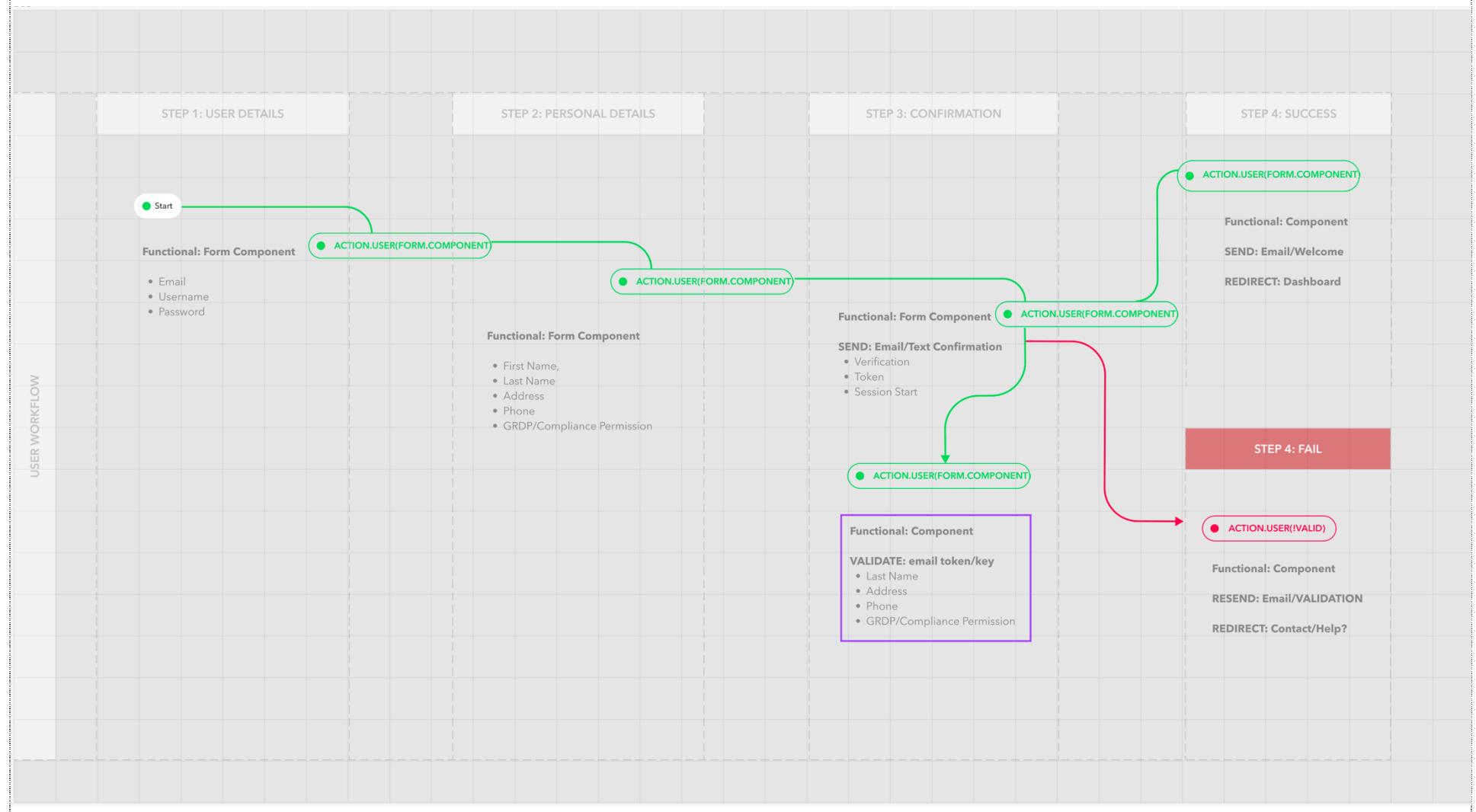
DEVELOPMENT WORKFLOWS: User Authentication – Role Based

App framework and architecture: FIGMA - <https://www.figma.com/file/p8NYRITxSBDO4xhbPBx8W9/User-Flow%2FPM?node-id=0%3A1>



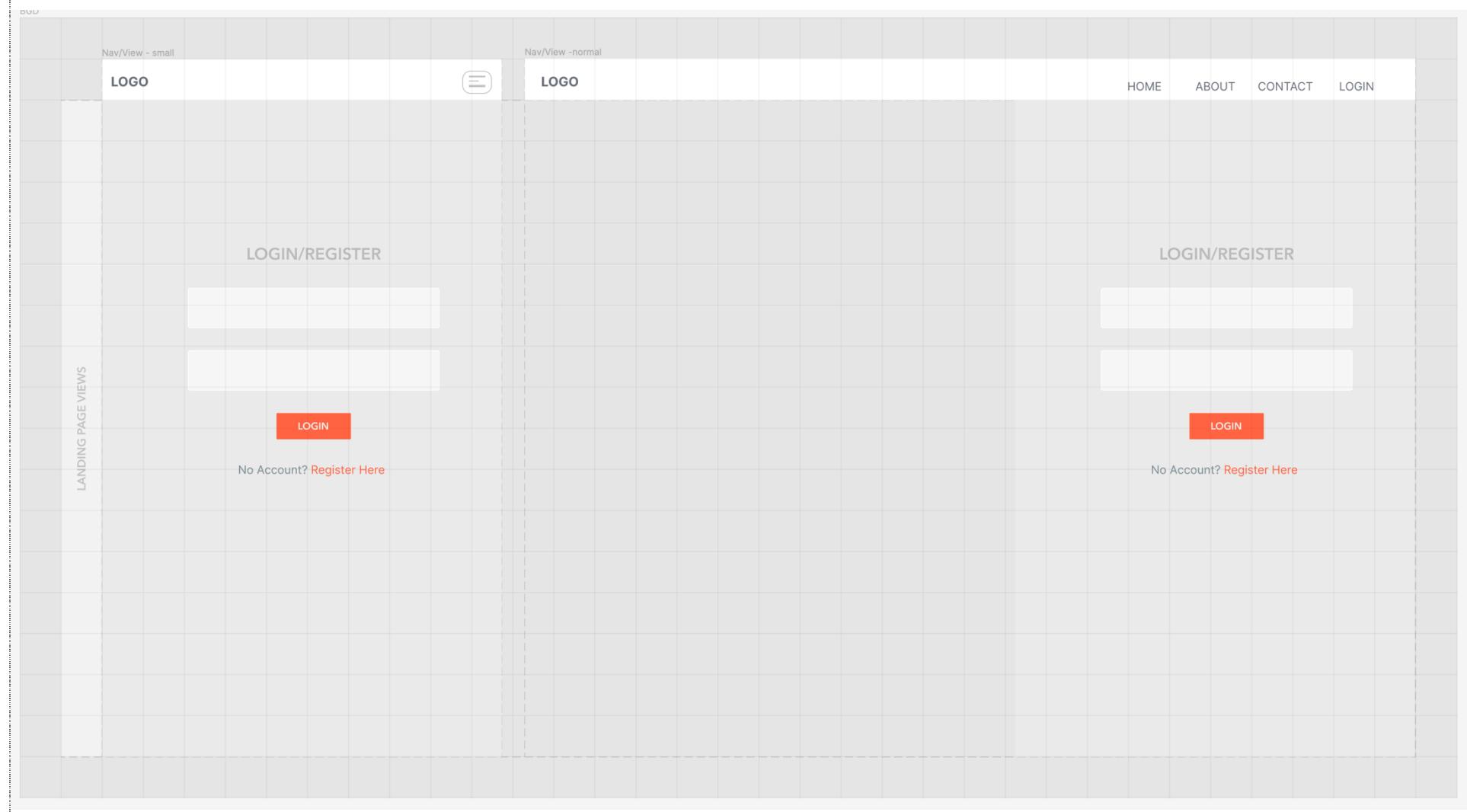
DEVELOPMENT WORKFLOWS: User Authentication – Role Based

App framework and architecture: FIGMA - <https://www.figma.com/file/p8NYRITxSBDO4xhbPBx8W9/User-Flow%2FPM?node-id=0%3A1>



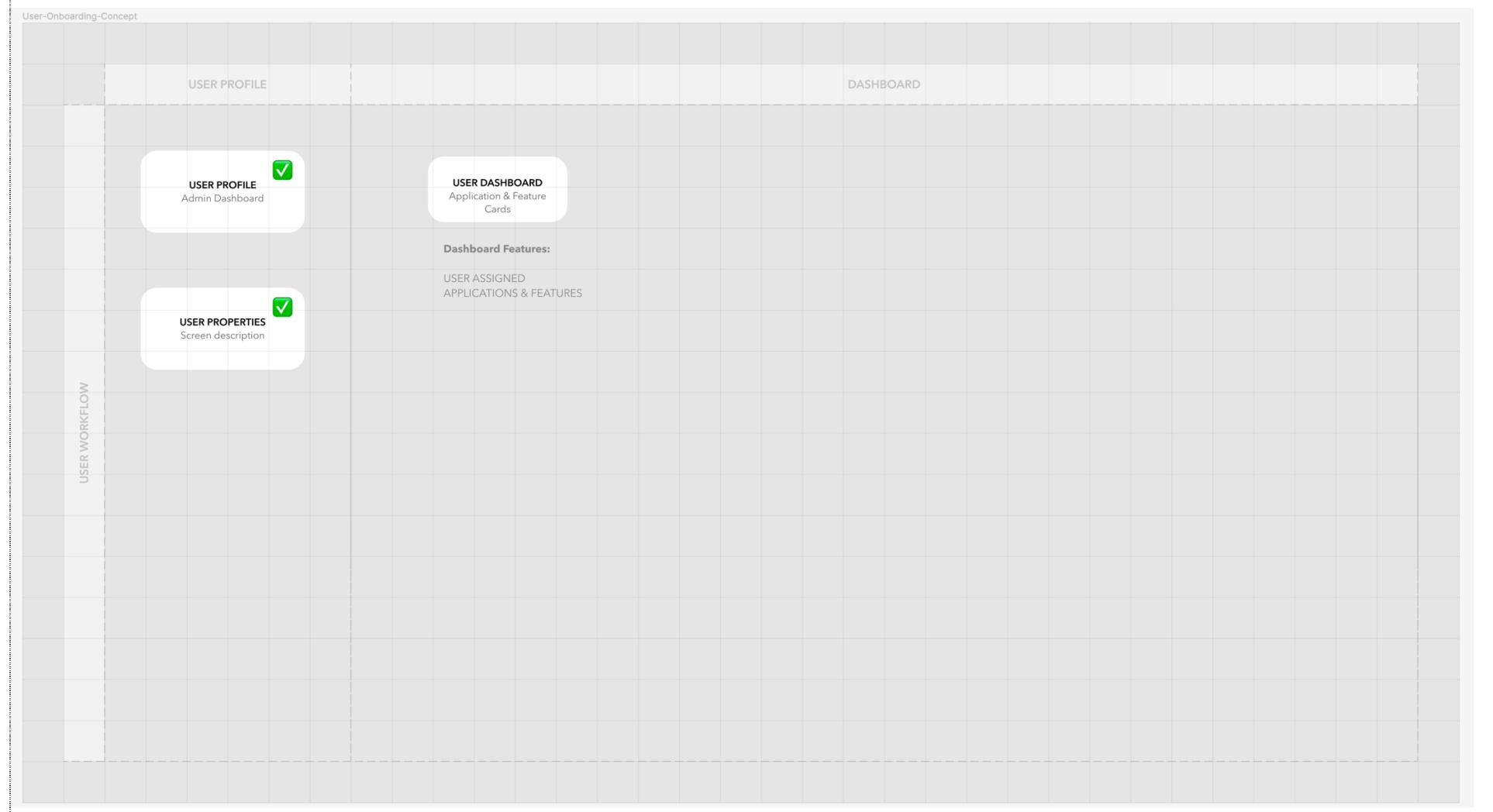
DEVELOPMENT WORKFLOWS: User Authentication – Role Based

App framework and architecture: FIGMA - <https://www.figma.com/file/p8NYRITxSBDO4xhbPBx8W9/User-Flow%2FPM?node-id=0%3A1>



DEVELOPMENT WORKFLOWS: User Authentication – Role Based

App framework and architecture: FIGMA - <https://www.figma.com/file/p8NYRITxSBDO4xhbPBx8W9/User-Flow%2FPM?node-id=0%3A1>



PROJECT RESOURCES JSON – Postman User Authentication API

Home Workspaces API Network Explore Search Postman POST http://localhost:8080 POST http://localhost:8080 react-user-onboarding No Environment Upgrade

My Workspace New Import POST http://localhost:8080 / http://localhost:8080 react-user-onboarding POST http://localhost:8080 POST http://localhost:8080 Params Auth Headers (8) Body Body (8) Pre-req. Tests Settings Cookies </> Beautify raw JSON

```
1   "firstname": "Ican",
2   "lastname": "Moderate",
3   "username": "modera",
4   "email": "imoderate@gmail.com",
5   "password": "123456",
6   "roles": ["user", "moderator"]
```

Send Response

Start working with your team 67%
Next: Add a collection with 1 or more requests. [Add collection](#)

Online Find and Replace Console Cookies Capture requests Runner Trash

USER EXPERIENCE BOARD: Workflow/Experience

Asset Type	Name & Description	Functional Area/Route
Landing Page	Home: Does not require login	/public
Login	Authenticate User Login	/auth/login
**Restricted access per user role, authentication required with JWT		
Register	Registration	/auth/register
**Restricted access per user role, authentication required with JWT		
User Dashboards	User Profile/Dashboard: User, Moderator Admin	/dashboard/user/role-type
**Restricted access per user role, authentication required with JWT		
Contact	Contact Form	/forms
[
Terms of use	[/public
[
Privacy	[/public

BACKEND-SERVER: Features

NOTE: See Readme.md via GitHub:
A simplified explanation of npm packages used in this project.

NPM Modules:

- **Express:** Web framework for node.js
- **Mongoose:** Database object modeling tool designed to work in an asynchronous environment. Mongoose supports both promises and callbacks
- **Morgan:** HTTP request logger middleware for node.js
- **CORS:** Restricts resources on a web page to be requested from another domain outside the domain from which the first resource was served
- **Dotenv:** Loads environment variables from a .env file into process.env
- **Nodemon:** Automatically restart the node application when file changes in the directory are detected
- **bcrypt:** SALT encryption - possible
- **JWT:** Decodes web tokens (Jason Web Token)

BACKEND-SERVER: Functionality

Server Functionality:

PROJECT RESOURCES LIST - CURRENT

Resource:	URL	FEATURE OR FUNCTION
The following are potential packages and frameworks for developing the site and some inspirational design ideas.		
Animate.css	Animate.css A cross-browser library of CSS animations.	JavaScript animation?
nodemon	nodemon - npm (npmjs.com)	
body-parser	body-parser - npm (npmjs.com)	
Express + validator	express-validator - npm (npmjs.com)	
Dotenv	dotenv - npm (npmjs.com)	
HTTPS		
mongoose	mongoose - npm (npmjs.com)	
Functional Features & Design Inspiration	https://themesflat.com/html/pretend/project.html (831) How to convert HTML template to React js Reactjs Tutorial - YouTube Node.js and Express Tutorial: Build a Website Using Pug (auth0.com) (825) OpTask: A project management web app built using a MERN stack - YouTube Converting Templates to React Project by Prateek Mishra tech-that-works Medium How to convert html template into react project Connected Programmer	

PROJECT RESOURCES JSON – Postman User Authentication API

Home Workspaces API Network Explore Search Postman POST http://localhost:8080 POST http://localhost:8080 react-user-onboarding No Environment Upgrade

My Workspace New Import POST http://localhost:8080 / http://localhost:8080 react-user-onboarding POST http://localhost:8080 POST http://localhost:8080 Params Auth Headers (8) Body Body Cookies </> Send

Collections APIs Environments Mock Servers Monitors Flows History

raw JSON

```
1 {  
2   "firstname": "Ican",  
3   "lastname": "Moderate",  
4   "username": "modera",  
5   "email": "imoderate@gmail.com",  
6   "password": "123456",  
7   "roles": ["user", "moderator"]  
8 }
```

Response

Click Send to get a response

Start working with your team 67%
Next: Add a collection with 1 or more requests. [Add collection](#)

Online Find and Replace Console Cookies Capture requests Runner Trash ?

29**SIGNALS**
Work Order Form

WORK ORDER NO.
EDITOR.
APPROVED.
SGB2022092901:45
~MDOLCE
YES