AFRICAN
IMPACT
INITIATIVE

African Impact Challenge Documentation

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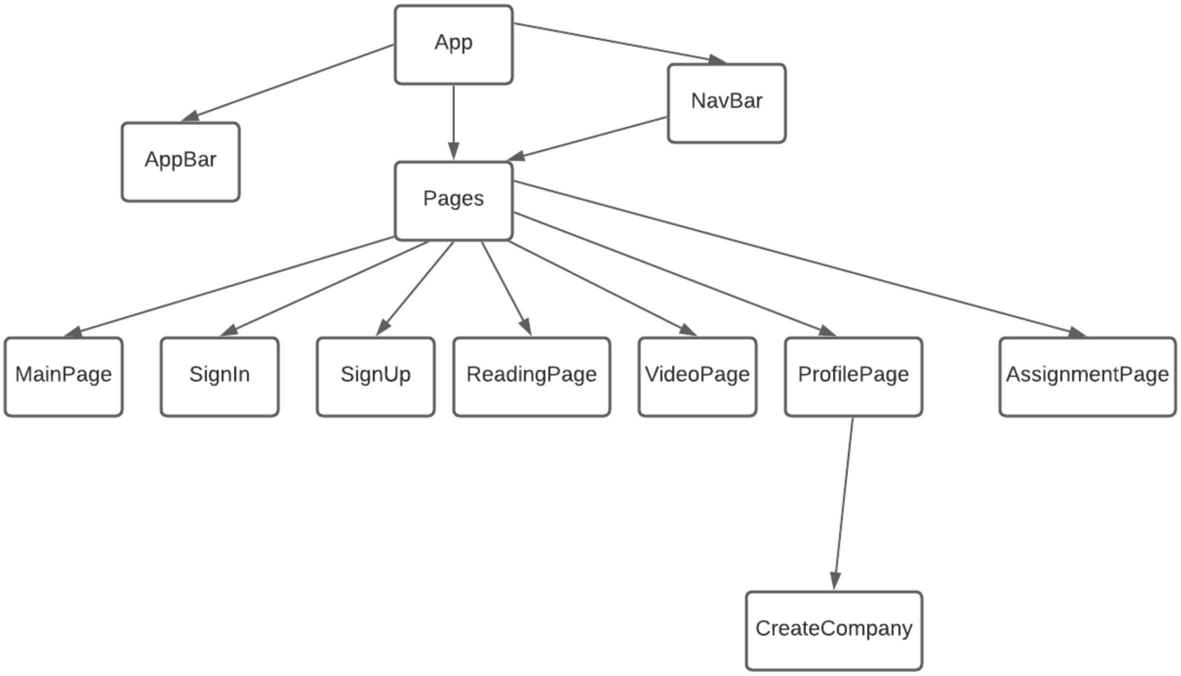
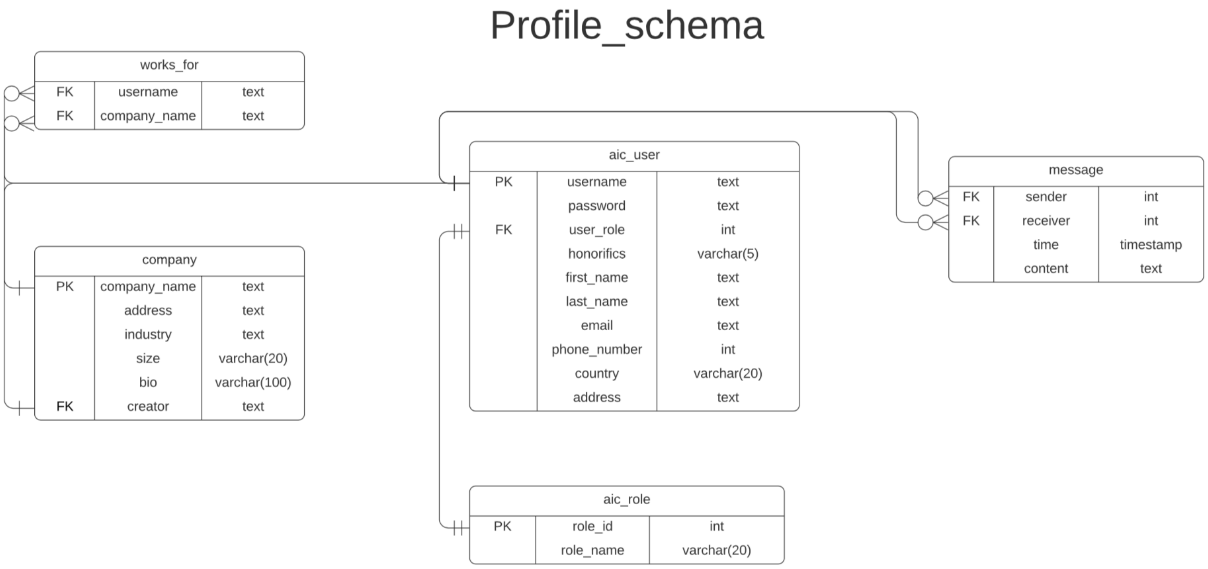
React Component Layout



Database Design



Profile_schema

works_for		
FK	username	text
FK	company_name	text

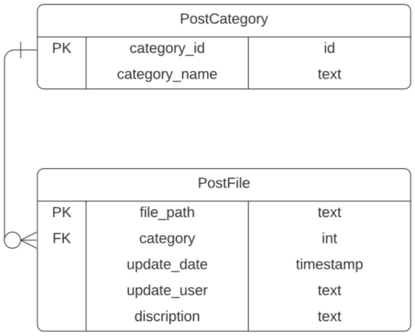
company		
PK	company_name	text
	address	text
	industry	text
	size	varchar(20)
	bio	varchar(100)
FK	creator	text

aic_user		
PK	username	text
	password	text
FK	user_role	int
	honorifics	varchar(5)
	first_name	text
	last_name	text
	email	text
	phone_number	int
	country	varchar(20)
	address	text

message		
FK	sender	int
FK	receiver	int
	time	timestamp
	content	text

aic_role		
PK	role_id	int
	role_name	varchar(20)

Post_schema



PostCategory		
PK	category_id	id
	category_name	text

PostFile		
PK	file_path	text
FK	category	int
	update_date	timestamp
	update_user	text
	discription	text

API Documentation

Authentication

- Session-based authentication is used (as opposed to token-based)

Middleware

Filename	Purpose	Description	Used Routes
auth.js	Authentication	Use for any privileged routes (i.e. routes the user needs to be logged-in to access) Checks if the user attempting to access the route is logged-in based on the session cookie it receives from the client. Send a 404 if failed authentication. If successful authentication, proceed to the desired route.	Every route other than: /api/profile/register/ /api/profile/login/
upload.js	Store resources in server file-system	Use as middleware to routes which aim to store resources on the server.	/api/course/upload

Profile-Based Routes

Method	**HTTP Request Verb**	**Description**
/api/profile/register/	**POST**	Profile Creation Username and other registration fields should be sent in JSON. Headers: Content-Type: application/json
/api/profile/update/	**PUT**	Update profile
/api/profile/delete/	**DELETE**	Delete profile
/api/profile/login/	**POST**	Login to website. Session cookie should be sent from server to the client.
/api/profile/logout/	**GET**	User logout. Client browser and server should destroy the session cookie associated with the client-server connection.
/api/profile/createCompany/	**POST**	Used to create company. Company registration data should be JSON encoded and included in the request body.
/api/profile/inCompany/	**GET**	Checks whether the currently logged-in user is part of a company
/api/profile/getCompany/	**GET**	Gets company data associated with the company the logged-in user is part of.

Course-Based Routes

Method	**HTTP Request Verb**	**Description**
/api/course/upload	**POST**	Used to upload a resource (file/video) onto the server. Resources=readings,assignments,videos
/api/course/getReadings	**GET**	Obtain a list of all reading files sorted by upload date.
/api/course/getVideos	**GET**	Obtain a list of all video files sorted by upload date.
/api/course/getAssignments	**GET**	Obtain a list of all assignment files sorted by upload date.