

Gender And Development Information System

System Admin Manual:

-System Requirement

- PHP 8.1 or higher
- Node 18 or higher
- Composer 2.5 or higher
- Git Bash

-Technology Stack Used

- Laravel Framework v.10 – Backend
- PostgreSQL – Database
- ReactJS v.18 – Frontend
- Vite – Frontend App Builder
- Bootstrap 5 – Frontend Library
- TailwindCSS – Frontend Library

-Added dependencies

- Axios
- Autoprefixer
- Chart.js
- Crypto-js
- Laravel-vite-plugin
- Moment
- PostCSS
- React-chartjs-2
- React-dom
- React-leaflet
- React-number-format
- React-router-dom
- React-to-print
- Sweetalert2

Installation Guide:

-GitHub Repository

link - <https://github.com/iyangco/GADIS.git>

-Cloning and Running GADIS on local device

1. Open Git Bash on your device.
2. Change the current working directory to the location where you want the cloned directory.
3. Clone the repository by typing “**git clone <link>**” and press enter.
4. After cloning, type “**composer install**” and “**npm install**”.
5. After installing make sure the configuration is correct by opening the “**.env**” of the project.
i.e. **DB name, DB connection, Host, Username and Password**

6. After the setup type ***"npm run dev"***.
7. Open another terminal and type ***"php artisan serve"***.
8. Open your browser and type the link ***"127.0.0.1:8000"***.

Developer Guide:

-Front End

- Codes are located on the ***"resources"*** -> ***"js"*** folder, under the ***"pages"*** folder.
- The files on these folders are grouped based on their module for easy tracking, while the admin codes of the system are under the ***"admin"*** folder.
- All page routings are under the ***"route"*** folder on the ***"Route.jsx"*** file. To add just import the page here and create another route and implement it on your links.

-Back End

- Models are located on the ***"app"*** folder, under the ***"Models"*** folder.
- Controllers are located on the ***"app"*** -> ***"Http"*** -> ***"Controllers"***, under the ***"api"*** folder.
- Migrations are located on the ***"database"*** folder, under the ***"migrations"*** folder.
- Seeders are located on the ***"database"*** folder, under the ***"seeders"*** folder.
- Middleware is located on the ***"database"*** folder, under the ***"Middleware"*** folder. Only one middleware is created for this project named ***"AuthMiddleware.php"***.
- Majority of the functions on the Controllers are with comments for ease of identification and their naming convention is the standard camel casing and is also used on their apis. Also, the controller files are named based on the module they are used, by doing so the functions are also grouped making it easier to find specific functions and controllers.

-Other notes

- Layout templates are located on the ***"components"*** folder under ***"resources"*** -> ***"js"***. These are custom made templates that can be used by importing them directly on the specific file.
- CSS file is under the ***"resources"*** -> ***"css"*** folder. Only one CSS file is created as most of the styling layout used is TailwindCSS and is located on the class names of the elements.
- On the image and file uploading only the path is saved on the database, the actual files are located on the public folder under the ***"images"*** and ***"Files"*** folder. Check the controller functions of image and file uploading.

API Guide:

-API routes

- API routes are located under the ***"routes"*** folder on the ***"api.php"*** file.
- The routes on this file is named after their function for ease of finding and troubleshooting.
- To use routes on the frontend function, use the link ***"/api/<name_of_route>"*** to avoid errors.
- A middleware is active on the route so you need to login in the system or have an active Bearer Token to use them, Bearer Tokens can be found on the localStorage once you are logged in on the system.

User Manual:

System Pages and Modules:

- Landing Page/ Welcome Page
 - Redirect Link for login selection (System Administrator or User).
- Login Module
 - Accepts user inputs for email and password credentials to access the system.
 - Uses Laravel Sanctum to create valid access token for users to be later used for granting access on API calls.
 - Creates localStorage token for user session.
 - Validation
 - Frontend
 - Checks user inputs before sending login request to the backend. This uses Sweetalert2 to prompt the user for validation errors.
 - Backend
 - Checks if the user credentials exist in the users table from the database. If this validation returns an error, it is either the user doesn't exist or the inputted credentials are wrong, which is displayed on the user screen using Sweetalert2. If this validation returns as success the user is, then redirected to the System Dashboard and generates token for the user to be used in generating API calls.
- Dashboard/ Home Page
 - Currently still under construction since the data for visual graph is not yet available.
 - Temporarily this shows the Philippine map, which when clicked shows the SDD data for the region separated by provinces. The map also zooms in and out per click and shows the provinces under the region.
- Profile Module
 - This shows the current user's information such as name, user role, notifications, employee list (for admin users only) and profile page. This module is currently still under construction.
 - Profile
 - This will show the user's information, name, age, division, unit, birthday, email, and GAD trainings attended by the user.
 - The users can also edit their password and their own details here.
 - Notifications
 - This shows the number of unread messages of the user.
 - Once clicked the system will display all the messages of the user with the most recent at the top and the unread is in bold text. If this message is clicked it will display the full content of the message as well as the message details.
 - Employees
 - Available only for Admin level users.
 - This will show all the list of employees on SEI. Each name can be clicked and once clicked it will show the details of the specific employee including the GAD trainings that they attended.
 - This page is for tracking which employees needed GAD trainings and what specific level.
 - Details for this will come from HRMU and will be available once system interoperability is done.
 - Logout

- Once clicked the session will be destroyed, localStorage will be cleared and tokens will be unusable.
- GADES Page
 - This is currently still under construction.
 - This will archive all the LIB of GAD-ES Project per year, data will come from PMIS and will be ready once system interoperability is done.
 - LIB can also be printed here but limited only to Admin level users.
- GAD Agenda Page
 - This page will show the GAD Agenda of SEI, and there are multiple modules on this page:
 - Adding of new GAD Agenda
 - On this module, Admin level users can add new GAD Agenda by completing the GAD Agenda Annex A.
 - This module has error handlers which will show on a modal and will not proceed if the data is incomplete, this is achieved thru backend validation that sends error code if the data is incomplete and will not proceed to save the data on database.
 - Adding of new Annex B on the newly added GAD Agenda
 - On this module, Admin level users can add Annual Targets, Activities and Budgets per goal on Annex A.
 - This module allows you to insert Annual Targets, Activities and Budgets per goal simultaneously from start year to end year and allows to insert as many activities as needed on each year.
 - note: Annex A must be accomplished first before proceeding to Annex B
 - Viewing of GAD Agenda Annex A
 - On this module, users can view the Annex A of the GAD Agenda.
 - Viewing of GAD Agenda Annex B
 - On this module, users can view the Annex B of the GAD Agenda, and Admin level users can add more Annual Targets, Activities and Budgets.
 - Viewing of the complete GAD Agenda
 - On this module, users can view the whole GAD Agenda (both Annex A and B), and Admin level (GAD Secretariat) user can submit the GAD Agenda for review of the GAD TWG chair once submitted the GAD TWG chair will receive a notification about the GAD Agenda, the GAD TWG chair can now submit the GAD Agenda to GAD Executive Committee chair for Approval once approved both the GAD Secretariat and GAD TWG chair will receive a notification. If the document is approved the GAD Secretariat can now either print or the download the document.
- GAD PPAs Page
 - This page will show the GAD PPAs of the SEI. PPAs can be viewed per year or all at once and separated into 2 categories namely 'Direct' and 'Attributed'. PPAs can also be clicked to view their specific details. There are multiple modules on this page:
 - Adding of new PPAs (Direct/Attributed)
 - On this module, Admin level users can add new PPAs for both Direct and Attributed, they just need to fill up the forms.
 - Viewing of specific PPA
 - On this module users can view the details of a specific PPA, while Admin level users are able to add missing details or additional information on the PPA i.e., budget costing, beneficiaries, and status.

- Budget – admin level users can add budgets on each PPA by clicking an ongoing PPA and then proceeding to add budget, for adding budget item and cost is needed.
 - Beneficiaries – admin level users can add performance indicators/ beneficiaries on each PPA by clicking an ongoing PPA and then proceeding to add performance indicators/ beneficiaries, for adding performance indicators/ beneficiaries the admin needs to select a target to add actual performance indicators.
 - Status – admin level users can change the status of each PPAs, but certain criteria are needed to be met before the status can be changed.
 - From 'For Implementation' to 'Ongoing' – no special criteria aside from user needs to be an admin.
 - From 'Ongoing' to 'Done' – actual result for performance indicators is needed and admin user level.
 - Viewing of specific Attributed PPA.
 - On this module users can view Attributed PPAs by clicking on them and selecting a year, while admin user level can add additional data and mark PPA as done.
- GAD Budget Page
 - This page shows the budgets for year grouped into 2 depending on their PPA category. Each year can be clicked to view the PPAs for that year with their corresponding budgetary details, and by clicking on a PPA their budget breakdown will be shown on a modal.
- GAD PPAs Status Page
 - This page shows all the PPAs with their status, can be filtered by year with the default view of PPAs for the current year.
- GAD Reports Page
 - This page lets an Admin level user choose what type of report they will be inputting, report types are:
 - GPB and GAR
 - On this report module admins are allowed to create new GPB or GAR by clicking on the plus icon, then selecting a report type (GPB or GAR), next is selecting a year and the PPAs that are needed on the report (on default all PPAs are automatically selected), lastly adding Total GAA of the Organization for that year and clicking submit.
 - GAD secretariat can also submit the report to GAD TWG Chair for review then from TWG Chair to Executive Committee Chair for approval.
 - SDD
 - On this report module Admin level user and GAD TWG members can add SDD by accomplishing the form and submitting the data.
 - MAR
 - This is currently still under construction.
 - On this module GAD MARs can be viewed, reports are from PMIS.
- GAD Trainings Page
 - This is currently still under construction.
 - This page will show GAD Trainings attended by SEI employees and GAD Trainings conducted by project leaders for their beneficiaries.

- To add a training, a Training Category PPA must be created first then a new GAD training will automatically be created and training details including training personnels can be added from there.
- Data from this page can also be printed by admin level users.

- GAD Resources and Publications Page
 - This page lets you choose first what type of files you want to view, there are multiple modules for this page:
 - Adding new files
 - On this module admin users are allowed to add new files by completing the form, form will change some fields or will request additional information depending on what category is selected.
 - Viewing of files
 - On this module users can view the documents they want, documents on this module are grouped into two and each group have their own sub-groups. Once clicked a new tab will open and display the document for the user to view, download or print.
 - A bookmark is added to the tab the user is currently viewing for easy tracking.

- GAD Gallery Page
 - On this page users can browse pictures; pictures are grouped per year then separated by each activity.
 - Uploading of new photos
 - Admin level users can upload new photos by accomplishing the form and by following the written instructions regarding file sizes and number of photos to be uploaded at once.
 - Viewing of photos
 - All users can view the photos by clicking the specific image.

- Calendar of activities
 - On this page users can view the activities of GAD in each month. The data here comes from PMIS. Ongoing process on the interoperability of the systems.

- SEI GAD Issues
 - On this page users can view the issues that SEI made interventions with.
 - Viewing of each issue.
 - By clicking on a specific issue, the user can view additional details like the activity title, objective, and their indicators. Also, the Activities is grouped per year to monitor the years of the issues the number of interventions made.

- Training Module
 - This module is currently under construction.
 - On this module the users can take lectures and exams based on their gender sensitivity level.

- About the System
 - On this module the users can view details about the system like the introduction, objectives of developing GADIS, the development team, and the technologies used.
 - Some of the video instruction manuals will also be placed here.