

Module Name – GAD-2 IWD (Web)

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API Documentation of GAD-2 IWD Module

Overview of the module:-

The IWD Module within Fusion plays a crucial role in overseeing the upkeep of campus property and ensuring its efficient maintenance.

Its primary responsibility is to guarantee the smooth functioning of all on-site assets, promptly addressing any malfunctions that may arise.

Additionally, the IWD Module actively oversees and manages the construction of new properties, demonstrating a comprehensive approach to both maintaining existing assets and facilitating the development of new ones on the campus.

This dual focus reinforces its commitment to the overall well-being and advancement of the campus infrastructure.

Please mention all the API used in the module below

1. /page1_1 - Already implemented
 - a. Parameters required – aes_file, dASAName, nitNiqno, proth, emdDetails, preBidDate, technicalBidDate, financialBidDate.
 - b. Description - Stores all the important details related to the work being done with respect to the request approved.
2. /page2_1 - Already implemented
 - a. Parameters required – corrigendum, addendum, preBid, technicalBid, qualifiedAgencies, financialBid, lowAgency, letterOfIntent, workOrder, agreementLetter, milestones.
 - b. Description – Stores all the necessary information and documents required for the work which is issued.
3. /corrigendumInput – Partially Implemented
 - a. Parameters required – id, issueDate, nitNo, name, lastDate, lastTime, env1BidOpeningDate, env1BidOpeningTime, env2BidOpeningDate, env2BidOpeningTime.
 - b. Description – Users have the ability to address any errors that may have occurred during the submission of their documents.
4. /addendumInput - Already implemented

- a. Parameters required – id, issueDate, nitNiqNo, name, openDate, openTime.
 - b. Description – Users have the option to submit updated documents in case any errors persist in the previous versions.
- 5. /milestoneForm - Already implemented
 - a. Parameters required – id, description, timeAllowed, amountWithheld.
 - b. Description – The involved agencies have a specified time frame to resolve all matters related to the payment amount.
- 6. /TechnicalBidForm - Already implemented
 - a. Parameters required – id, requirements.
 - b. Description – The agencies involved in the bidding process are required to list down all the details and requirements.
- 7. /extensionForm - Already implemented
 - a. Parameters required – id, hindrance, periodOfHindrance, periodOfExtension.
 - b. Description – The agencies involved in the project can request an extension of the deadlines, providing proper reasoning.
- 8. /letterOfIntent - Already implemented
 - a. Parameters required – id, nitNiqNo, dateOfOpening, agency, name, tenderValue.
 - b. Description – The agency communicates its intent regarding the assigned work, providing all the necessary details.
- 9. /workOrderForm - Already implemented
 - a. Parameters required – id, issueDate, nitNiqNo, agency, name, amount, time, monthDay, startDate, completionDate deposit, contractDay.
 - b. Description – The agency lists down the details for their assigned work.
- 10. /agreement - Already implemented
 - a. Parameters required – id, date, dateOfOpening, agencyName, workName, fdrSum.
 - b. Description – The agency gives a formal agreement for their assigned work.
- 11. /page3_1 - Already implemented
 - a. Parameters required – id, extensionOfTime, ctualCostOfBidding.
 - b. Description – The agency is required to submit necessary details if they seek an extension.
- 12. /page1View – Partially implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the page1_1 form.
- 13. /page2View - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the page2_1 form.

14. /page3View - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the page3_1 form.
15. /extensionFormView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the extension form.
16. /financialBidView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the numberOfEntriesFinancialBid form.
17. /numberOfEntriesTechnicalBid - Already implemented
 - a. Parameters required – number.
 - b. Description – The administrator has the capability to review bid details associated with the project ID "number".
18. /numberOfEntriesFinancialBid - Already implemented
 - a. Parameters required – description.
 - b. Description – The agency has the option to submit details pertaining to their financial bids.
19. /preBidForm - Already implemented
 - a. Parameters required – id, nameOfParticipants, issuesRaised, responseDecision.
 - b. Description – All the bid details are submitted using the provided form.
20. /AESForm - Already implemented
 - a. Parameters required – id, descOfItems, unit, quantity, rate, amount.
 - b. Description – The agency is required to submit all the necessary items for their work, including their proposed price, quantity, and other essential details.
21. /workOrderFormView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the workOrder form.
22. /letterOfIntentFormView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the letterOfIntent form.
23. /preBidDetailsFormView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the preBidDetails form.

24. /technicalBidView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the technicalBid form.
25. /milestoneView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the milestone form.
26. /addendumView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the Addendum form.
27. /corrigendumView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the Corrigendum form.
28. /agreementView - Already implemented
 - a. Parameters required – NIL.
 - b. Description – The administrator can check the details submitted in the Agreement form.

APIs:-

- **Already Implemented** (This means that API is already implemented and working as expected.)
- [GAD-2 IWD Use Case Diagram](#)
 - *issue_work_order* - UC#2
 - Index of api's used - 9
 - Description – The agency lists down all the details related to their assigned work.
 - Database - iwdModuleV2_workorderform
- **Yet to be implemented or Partially Working** (API is not implemented so yet to be implemented or API is partially working i.e it has breakage.)
 - *Create_new_request* - UC#1
 - Index of apis used - NIL

- Description – The user will have the ability to initiate a new request for the construction or maintenance of any property.
 - Database - No table created
- *Process_request - UC#5*
 - Index of apis used - NIL
 - Description – The dean processes the request created by the user.
 - Database - No table created
- *audit_final_bill - UC#4*
 - Index of apis used - NIL
 - Description – The dean audits the final bill generated by the agency and settled by the account admin.
 - Database - no table created
- *Approve/reject_request - UC#6*
 - Index of apis used - NIL
 - Description – The director will approve or will ask to reform the request processed by the dean.
 - Database - no table created
- *Audit_document – UC#7*
 - Index of apis used - NIL
 - Description – The auditor audits all the documents submitted by the users and can ask them to re-submit them in case of any errors.
 - Database - no table created
- *Settle_bill– UC#8*
 - Index of apis used - NIL
 - Description – The account admin processes the settlement of the bill after it is generated by the agency.
 - Database - no table created
- *Manage_inventory – UC#9*
 - Index of apis used - NIL
 - Description – The IWD admin oversees the management of all available resources and initiates requests for the availability of resources that are currently lacking to ensure the efficient operation of the team.
 - Database - no table created

- *Forward_complaints*– UC#10
 - Index of apis used - NIL
 - Description – The complaint manager forwards all listed complaints to higher authorities for further review and resolution.
 - Database - no table created

Current problems you are facing with the module or in its use cases —

- The use case diagram has been recently updated, resulting in a situation where the majority of the specified use cases are yet to be implemented.

Google Doc Link : [Modules Testing Assignment.docx](#)
