

Technical Document Of Agriculture Empowerment

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Github link:

<https://github.com/gaurravlokhande/Agriculture-Empowerment-Hackathon.git>

Business Process it Supports:

It makes farming easier and better for farmers. Our platform has everything farmers need in one place: real-time market prices, weather updates, suggestions for seeds and fertilizers, market trends, and expert advice. Stay informed, make smart decisions, and be a part of the growing farming community. Agricultural Empowerment is all about helping farmers succeed in farming.

Access Controls:

Every Guest user has access to the Agriculture Empowerment site.

Code Units:

- **Apex Class:**
 - AgricultureEmpowerment.apxc
 - TranslateLanguageAgri.apxc
- **LWC Component:**
 - home.lwc
 - aboutus.lwc
 - footer.lwc
 - seedsandfertilizer.lwc
 - markettrends.lwc
 - newsandtips.lwc
 - trainingandsupport.lwc
 - feedback.lwc
- **Custom Object:**
 - Market Trends
 - Seeds

- Fertilizers
 - News & Tips
 - Seasonal Calendar
 - My Schemes
 - Feedbacks
- **API Integration:**
 - Weather API
 - Agriculture API
 - **Custom Settings:**
 - Remote Site Settings
 - Trusted Url
 - **Note:** Added api's Endpoint in this settings.
 - **Profiles(Guest User Profile):**
 - Agriculture Empowerment Profile
 - Steps: All Sites → Builder → Settings → Guest User Profile → Agriculture Empowerment Profile.
 - **Digital Experiences:**
 - <https://gauravlokhande-dev-ed.develop.my.site.com/AgricultureEmpowerment/s>
 - Note: Deployed On Community for Guest Users.

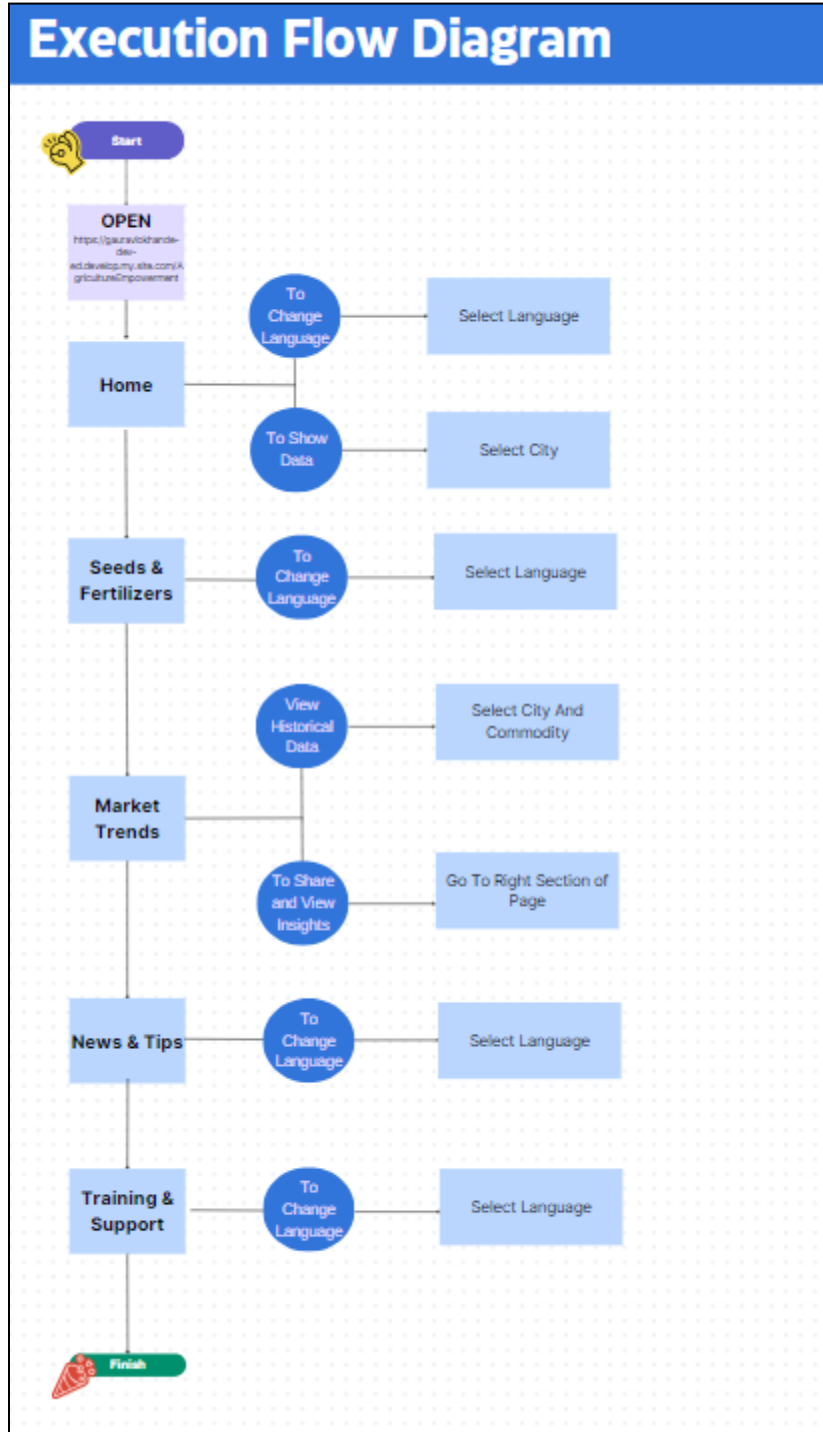
Data Model Diagram



Diagram Link :

<https://drive.google.com/file/d/1eqygZBi0yuCjM705GOwEzDklqaGmzxB3/view?usp=sharing>

Execution Flow Diagram



AgricultureEmpowerment.cls

Method Name	Purpose	Input Param	Object	Invocation Type
FetchAllSeeds()	For Fetch all data from Seeds__c custom object.	List<Seeds__c>	Seeds__c	Sync
FetchAllFertilizers()	For Fetch all data from Fertilizers__c custom object.	List<Fertilizers__c>	Fertilizers__c	Sync
showViews()	For Fetch all data from Market_Trend__c custom object.	List<Market_Trend__c>	Market_Trend__c	Sync
FetchAllNewsData()	For Fetch all data from News_Tips__c custom object.	List<News_Tips__c>	News_Tips__c	Sync
FetchSeasonalCalendarData()	For Fetch all data from Seasonal_Calendar__c custom object.	List<Seasonal_Calendar__c>	Seasonal_Calendar__c	Sync
schemelist()	For Fetch all data from Schems__c custom object.	List<Schems__c>	Schems__c	Sync
insertViews()	For Insert the views of guest users.	List<Market_Trend__c>	Market_Trend__c	Sync
insertFeedback()	For Insert Feedback of guest users.	List<Feedbacks__c>	Feedbacks__c	Sync

TranslateLanguageAgri.cls

Method Name	Purpose	Input Param	Object	Invocation Type
GetAllTranslation()	For Fetch translation from Custom labels.	labelName /Language → hindi	-	Sync
CropSelection()	For Fetch translation from Custom labels for Crop Selection.	hindi	-	Sync
soilprepration()	For Fetch translation from Custom labels for soil preparation.	hindi	-	Sync

seedselection()	For Fetch translation from Custom labels for seed selection.	hindi	-	Sync
seedsowing()	For Fetch translation from Custom labels for seed sowing.	hindi	-	Sync
irrigation()	For Fetch translation from Custom labels for irrigation.	hindi	-	Sync
FertilizersandManures()	For Fetch translation from Custom labels for Fertilizers and Manures.	hindi	-	Sync
WeedManagement()	For Fetch translation from Custom labels for seed sowing.	hindi	-	Sync
tipsfordiseases()	For Fetch translation from Custom labels for tips for diseases.	hindi	-	Sync
tipsforHarvesting()	For Fetch translation from Custom labels for tips for Harvesting.	hindi	-	Sync

Objects Information

Object Name	API Name	Fields api name/Type/Length	Purpose
Seeds	Seeds__c	<ol style="list-style-type: none"> 1. Image_Url__c (URL(255)) 2. Information_del1__c (Text Area(255)) 3. Name (Text(80)) 4. Read_More__c (URL(255)) 5. Recommanded_Season__c (Picklist: Winter, Summer, monsoon) 	Used to store the Seeds Data.
Fertilizers	Fertilizers__c	<ol style="list-style-type: none"> 1. Name(Text(80)) 2. Image_Url__c (URL(255)) 3. Information__c (Text Area(255)) 4. Read_More__c (URL(255)) 5. Seeds__c Lookup (Seeds) 	Used to store the Fertilizers Data.
Seasonal Calendar	Seasonal_Calendar__c	<ol style="list-style-type: none"> 1. End_Date__c (Date) 2. Information__c (Text Area(255)) 3. Name (Text(80)) 4. Seeds__c (Lookup(Seeds)) 5. Start_Date__c (Date) 	Used to store the Seasonal Calendar Data.

News & Tips	News_Tips__c	<ol style="list-style-type: none"> 1. Date__c (Date) 2. Description__c (Long Text Area(527)) 3. Headline__c Text Area(255) 4. Image_Url__c (URL(255)) 5. Name (Auto Number) 6. Website_url__c (URL(255)) 	Used to store the News & Tips Data.
Market Trend	Market_Trend__c	<ol style="list-style-type: none"> 1. Name (Text(80)) 2. Submission_Date__c (Date) 3. View__c(Long Text Area(32768)) 	Used to store the Market Trend Data.
My Scheme	Schems__c	<ol style="list-style-type: none"> 1. Date__c (Date) 2. Information__c (Text Area(255)) 3. Read_More__c (URL(255)) 4. Name (Text(80)) 	Used to store the My Scheme Data.
Feedback	Feedbacks__c	<ol style="list-style-type: none"> 1. Feedback__c (Long Text Area(32768)) 2. Name (Auto Number) 3. Submission_Date__c (Date) 	Used to store the Feedback Data.

Thank You...!