

1.1 SPLITTING MERGING REQUIREMENT V1

ITEM	DESCRIPTION
Name	Splitting Merging Department for Amana
Description	citizen come and request to the parcel split/merging from Engineering Office.
System Flow	<ul style="list-style-type: none"> • Engineering office check to the related parcel exist or no? • If it exists Engineering office split to the parcel using by MapInfo desktop application. • Engineering department sending request for splitting or merging department. • When request come in the oracle form application click to the show button. • Then MapInfo desktop application is opening and displays require parcel feature and related layer. • When checking steps is finalize MapInfo desktop application press the approve button. Then insert to the database parcel information. • We can access to the parcel: <ul style="list-style-type: none"> ○ Parcel No ○ Street No ○ Plan No • Before sending request prepare temporary split parcel layer (parcel_ifraz) and put to the share folder inside ifraz folder. • Sent to request from IFRAZ Office for approval to the split parcel. • After approved Ifraz Office this step there is unorganized parcel. Engineering office generated text file from MapInfo scripting tools. • After generated text file update to the GIS database for related parcel vertex. • Next form it will display required parcel on the map. Then move to the oracle temporary table. • Then Engineering office take a document screenshot send a request splitting department. They are checking and make a validation: <ul style="list-style-type: none"> ○ Engineering department office approve • After this process delete old parcel and add new parcels from Plan_Ifraz_Approved.txt file. • There is also sometimes parcel or building information is not available or not valid. Split and Merging Department sending request to the central plan department.
Input Parameters	Parcel No Plan No Order Number mi_prinx
Layers Involved	Parcel Satellite Base Map Parcel Ifraz New_parcel
Map Default Load	Get and display require parcel and layer on the map by (Parcel No, Plan No, Order Number and mi_prinx)

Map Query Load	Get and display require parcel and layer on the map by (Parcel No, Plan No, Order Number and mi_prinx)
Required Map Functions	User can find a parcel and split/Merge parcels saved into (parcels and New_parcel layers) by drawing the splitter or selection for the parcels need to merge them
Excepted Use Cases	<ul style="list-style-type: none"> • Engineering office login to the system • Engineering office search for parcel • Engineering office draw the cutter straight line or select parcels wants to merge them then saving for approval • Splitting Merging Department login to the system • Select the request to Display related layer and require split/merge parcel on the map and approve/return with notes .
Add Entry in GIS System	<ol style="list-style-type: none"> 1- Parcels 2- New_parcel
Update Entry in GIS System	<ol style="list-style-type: none"> 1- Parcels 2- New_parcel
Delete Entry in GIS System	<ol style="list-style-type: none"> 1- Parcels 2- New_parcel

Main Form Split Merging Service. Query by parcel no/order no:

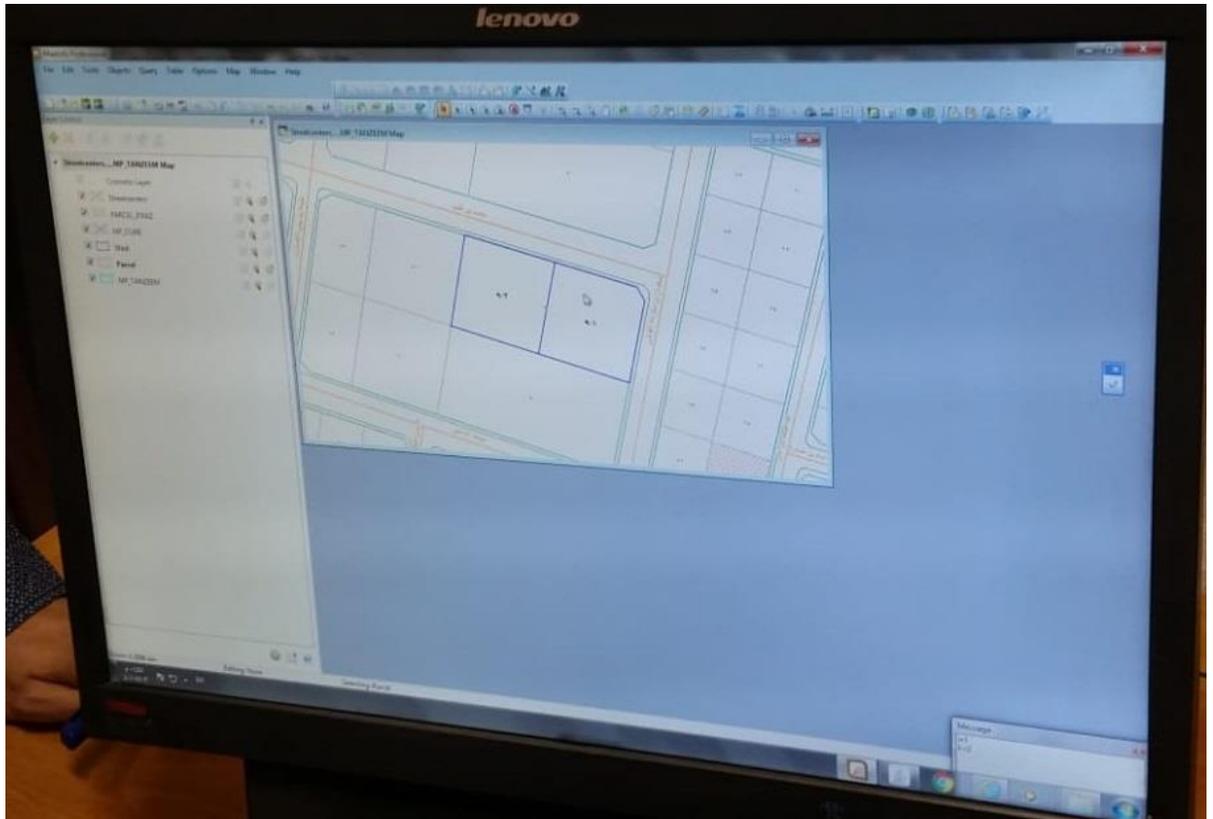
Existing System Screenshots and Code

The screenshot shows a web-based GIS application interface. At the top, there's a title bar with 'LINDO4010' and 'البيانات الأساسية لتتبع الأرض'. Below the title bar is a navigation toolbar with icons for home, back, forward, search, and save. The main form is divided into several sections:

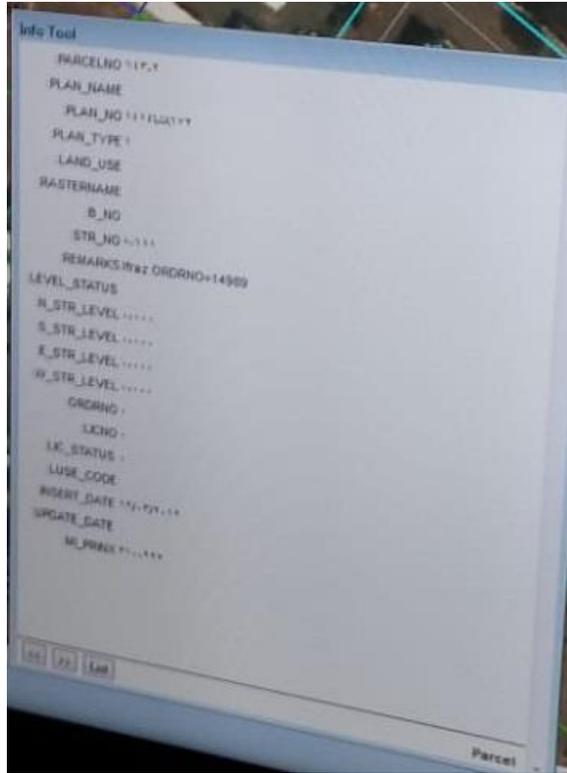
- Search Section:** Includes fields for 'رقم المخطط' (Plan No), 'نوع المخطط' (Plan Type), 'تاريخه' (Date), and 'عدد القطع' (Number of parcels).
- Parcel Details Section:** Contains fields for 'المساحة' (Area), 'نوع البناء' (Building Type), 'نسبة البناء' (Building Ratio), 'البلدية' (Municipality), and 'الشارع' (Street).
- Map Navigation Section:** Features buttons for 'إظهار المخطط' (Show Plan), 'الحدود حسب الطبيعة' (Boundaries by Nature), 'الحدود حسب المالك' (Boundaries by Owner), 'الأرض حسب الطبيعة' (Land by Nature), and 'الأرض حسب المالك' (Land by Owner).
- Parcel List Section:** A table with columns for 'رقم القطع' (Parcel No) and 'حالتها' (Status).
- Directional Fields Section:** Includes fields for 'شمال' (North), 'جنوب' (South), 'شرق' (East), and 'غرب' (West).
- Additional Fields Section:** Contains 'إحداثيات المخطط والرقم' (Plan Coordinates and Number), 'ملاحظات' (Remarks), 'إحداثيات المخطط والرقم' (Plan Coordinates and Number), and 'رقم الرخصة مع الأرشيف' (License Number with Archive).

At the bottom, there are buttons for 'عرض قرار الأذقية' (View Decision) and 'الاستخدام من الشوارع و بياناتها' (Usage from Streets and Data).

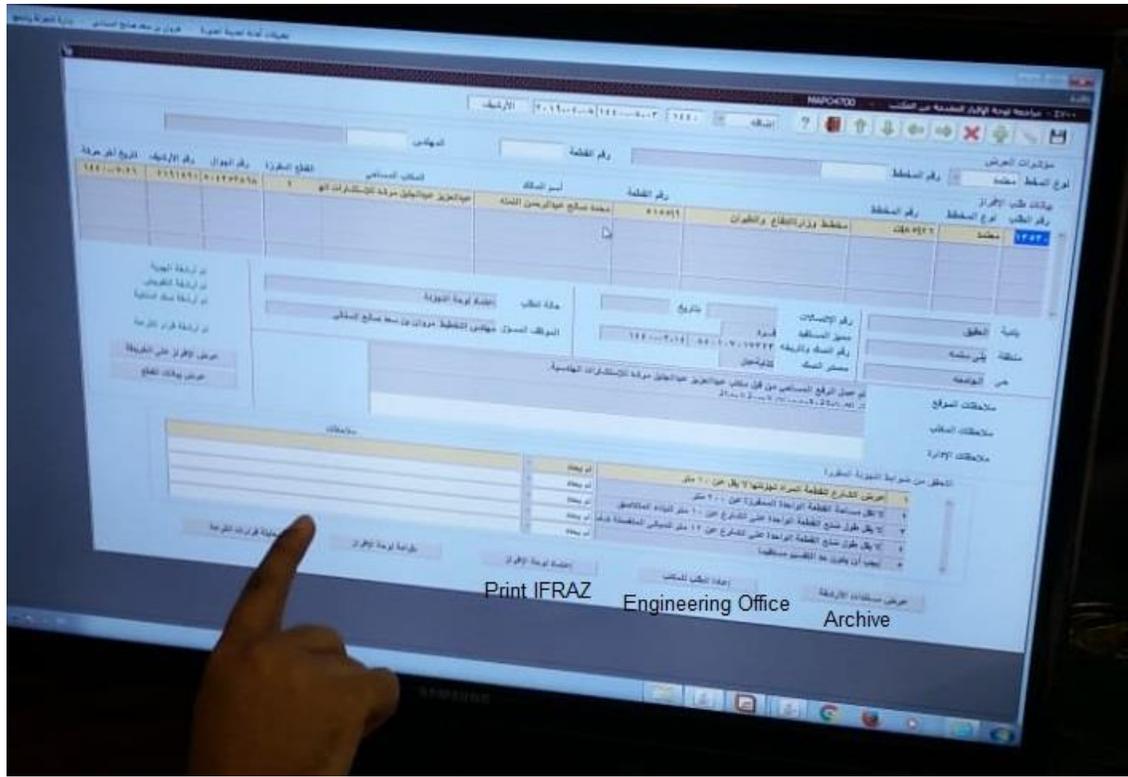
Engineering Office send this MapInfo file(After view press approve button on the right side).



MapInfo Default open page.(Require Parcel):



Ifrac Form:



IFraz Viewing Form:

Madinah Municipality Representative	GeoTech Representative
Name:	Name:
Signature: _____	Signature: _____
Date: / /2019	Date: / /2019
Comments:	Comments:
Attendees:	
_____	_____
_____	_____
_____	_____