OGD Virtual Portal Technical Requirments

Admin Interface:
1. The Sectors and sub-sector classification must be reviewed and to contain all major sectors and sub-sectors, and add "others option" to sub-sector list with possibility to add new sub-sector.

2. QA:
 	
    ● Give the admin 24 hours to edit or delete the dataset before publishing it online, so the dataset will be editable and visible for the admin.
 	
    ● Authority level (Approval from the same government entity "منسق البيانات، وضابط البوابة"

User Interface
1. The portal must view all sectors for the users
2. The portal must have ability of searching (advanced search), classifying, filtering, and sorting by multi options such as alphabetic, sectorial, source of data, time sorting, specific subject, specific dataset, etc…

3. The portal must have a space for the proposition of new datasets:
 	
    ● the ability of requesting new dataset by consumers, and it must be different than the available form for e-government services
 	
    ● This allows users to request datasets that are not already published. This will move to open data that is based on demand.

4. When the user downloads the data set, the portal must provide the ability to select more than one data format at the same time, since the current options available either selecting one or all files together.
General Specification of the platform

1. The portal must have the ability of uploading the datasets of two ways:
 	
    ● Manually upload through the focal point of the portal
 	
    ● Automatic upload for the government entity which is connected through GSB
 	
    ● The platform must have the ability to automatically fetch and query data from other sources, This includes:
- Saving data as standalone files (Query, fetch, save)
- Connecting to live data that enables the users to view it through the portal (APIs to query data)

2.	Providing access and query language for each dataset (data and metadata)
3.	The Portal must have a comprehensive Data Catalogue or Index or Dictionary, which store all Metadata for all datasets on a database and to be available online in one page of the portal
4.	In the current situation, the Openness rate is determined by the same person who is uploading the data directly, which is not correct. The openness rate (مؤشر الانفتاحية) must be determined by one of the following methods : ● Automatically. ● M**anually**: by focal point in MODEE according to a guide described the openness rate criteria.
5.	The virtual portal must have information page, which contains icons or special bar to download files related to open government data, such as: ● Open Government Data Policy. ● Code of Conduct. ● Disclaimer: to report if there is any existence of personal data. ● Instruction ● Guidelines. ● Personal data rights and protection standards. ● brief about Open Government data in Jordan, the benefit of it, the mechanism of providing this data and success stories, etc.
6.	the portal must have a space for reuse cases: ● List and Manage Reuse Cases; ● Present and link the datasets used; ● (an application, a website or visualization, or presented in an article, report or article.)
7.	Data format options to be unified (XMl, CSV, JSON,RDF, TXT,..) - The platform must have the ability to convert (xls, xlsx) to (csv, json, xml)
8.	The portal must have Embedded Business Intelligence technologies that's transform row data to useful information for develop Business, and create periodic reports, such as save users behavior and analyze it by the following methods:

- Use the search field option (search box) to store the keywords that are mostly used on the Open data platform, by sort out the search results frequently, and then work with relevant entities to publish their required data.

- Identify the most important sectors in open data field through the click streaming record feature which can be used to analyze the behavior of open data platform users.

- Identify the number of visitors to the open data platform and suggest ways to encourage users to visit and benefit from open data.

- Identify the most commonly used data sets or icons.

- Enable "scroll down and up" analysis to Identify if the users visit and benefit from the platform or not

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9. Prepare the reports that's targeting the users and decision makers, based on the results of analyze the Embedded Business Intelligence technologies , which these reports presented in the two following ways :

- Manually: administrators reports which enable the decisions making to take the appropriate decisions to raise the level of open government data in Jordan in each sector, and develop the platform frequently.

- Automatically: the portal to display the platform (performance) usage and statists result automatically based on the browser behavior and interest.

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10. Provide a mechanism for displaying the performance of platform as reports, which enable the users and data provider to interact with it visually "Visual Progress Report".

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11. Portal must have a page that display all common questions about the open government data "FAQ".

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12. Modules promoting community functions:

- Initiate a dialogue between the producers and the consumers of the data
- Evaluate datasets
- Share data to social networks (socialize data) use the social media channels to announce about the latest published datasets on the portal automatically, etc.