# First of all about numerated use cases.

1. Use case 1: Map layer tab. Everything is possible. Just a few questions about design.
   1. We make one toolbar for all panes in Tab panel (Found FS, Map layers, Output properties). And it is on bottom of this panel. Am I right?
   2. Now we delete selected layer using button with trash can (no drag and drop).
   3. What will we move? Separate layer? Group layers corresponding to one feature service?
   4. Now zooming on the extent of a layer is done by double clicking on this layer. Do we remove this functionality?
2. Use case 2: Search tab. It’s OK too.
   1. Should we show here the content of the appropriate service (layers, as in your picture)?
   2. If the answer on the previous question “yes” should we allow the user to select layers which will be added to the map?
3. Use case 3: Download/export. OK.
   1. You mean that there is a tool (service) that can export a Web map into an AI document? If so it would be great to get the link to such tool.
4. Use case 4: Defining map extent.
   1. Tool tip during drawing the rectangle. Now we use the ArcGIS JS tool Draw to perform this operation. Unfortunately it has only one kind of events: draw-complete/draw-end. So if we want to display any info during draw process we have to develop our own tool.
   2. Scale. The engine used in Adobe HTML5 extensions does not have any special restrictions for REST requests. So I think there is no problem.
5. Use case 5: Photoshop+. The Photoshop has the same possibilities for developing HTML5 extensions as AI does (maybe even more, as it is considered as more widespread product). Even more, there is the possibility to use one extension in several products. But it has to use different JSX code for communicating with host application. The extension can define the type of the host application. So there will be no problem
6. Use case 6: Analysis. This is the subject to experiment. The main problem is the result of analyzing. I’ve taken a look on the tool “Create Buffers”. It has the property “returnFeatureCollecton” which means (it is the quotation): When true, returns the result of analysis as feature collection and creates a feature service. Of course there is no problem to add a feature service in an exporting web map. But how long is the life of such service? It requires checking. Anyway it depends on the format of the result. So the exact answer can be got after defining the exact list of such operations.
7. Use case 7: Defining map extent manually. I don’t understand exactly how it will work, but if you define this more sharp I’m sure we can implement this. For example, I don’t understand how will the user define the center of the extent?
8. Use case 8: Authorizing in AGOL. There are two ways to authorize: OAuth2 and token based. Token based has some restrictions but it does not require any additional means. OAuth2 is more flexible but there are some problems (solved for today but they can arise again):
   1. Adobe HTML5 extension engine uses a library which is incompatible with DoJo. They (Adobe) allow to switch off this feature now. But who can guarantee that it will last long?
   2. ArcGIS Online OAuth2 process does not allow so called trusted authorizing. So we have to run some additional web page which is used as a call-back web page. The authorizing will not work if this web page is dead by some reason. It’s not very robust.

# Now about unnumbered use cases.

* Geocoding. We can implement geocoding support. But what we should do with found places? Just mark on the map? How should we mark them? Should we include marked places in the exported map?
* Cartographic tools. The Export Web Map tool allows using templates. And they can include everything what can be included in the ArcMap document. I’m not sure where such MXD doc has to be placed to be editable from Adobe HTML5 extension.

# Not mentioned features

* Reorganizing layers of AI (I don’t know what have to be done in PS yet). But was not implemented so I think we have to remember this use case. And more we have to investigate what happens in that case in Photoshop.
* Removing clipping property from AI layers. The same reason