CRQ	Jira	Module	Area	Classes and methods	details
	TRANSLATE-421	General	JS		- change Button Menu in Head Panel to switch between Admin Views
	TRANSLATE-421	General	JS		- Plugin File Structure for GUI additions
	TRANSLATE-421	General	PHP		- Pluginbased handling of Button Menu in GUI?
	TRANSLATE-421	General	PHP		- Add to Install and Update Kit Issue: all worker should be done before applying an update.
	TRANSLATE-421	General	PHP		Improve Worker Garbage Clean Up (no remaining running etc; TRANSLATE-514)
	TRANSLATE-421	Configuration / Setup of TM Resources	PHP	Translationmemoryresou rceController	- POST PUT DELETE → BadMethod - GET returns the configured TmResources. Loop over all available Connectors and call a static method getResource - call synchronizeTmList per resource
	TRANSLATE-421	Configuration / Setup of TM Resources	PHP		connector::getResource() method which returns the Resource name or false if not configured properly
	TRANSLATE-421	TM Administration	JS		Use sketch tm_admin.png as specification
	TRANSLATE-421	TM Administration	JS		- simple grid which holds all available TMs in translate5 → invocation like User Administration (panel and controller can be copied)
	TRANSLATE-421	TM Administration	JS		- TM files can be added, by uploading. On adding a TM the target Resource has to be choosen. This can be only a file based TM Resource. - Metadata for TM files can be set (source target lang, Clientname) - upload error handling

CRQ	Jira	Module	Area	Classes and methods	details
	TRANSLATE-421	TM Administration	JS		- foreach non file based TM resources one default TM entry is shown, which is not deleteable, but meta data is configurable
	TRANSLATE-421	TM Administration	PHP		- TM Model - TM Controller - TM Acl - TM Table Scheme
	TRANSLATE-421	Task Properties / Task Tms	JS		- tm_task_association.png → invocation like „Associate users to task" (JS Structure can be copied)
	TRANSLATE-421	Task Properties / Task Tms	JS		- a new tab in the task properties is added - in this tab a grouped grid with all configured TMs is shown. Grouping is done by the associated resource - per default the available TMs are filtered by the languages of the selected task
	TRANSLATE-421	Task Properties / Task Tms	PHP		- TM Task Assoc Model - TM Task Assoc Controller - TM Task Assoc Acl - TM Task Assoc Table Scheme - Entity Versioning along TM Model

	TRANSLATE-421	MT Communication	JS	TranslationmemoryStore TranslationmemoryModel	- this store holds all the TM connection requests
					- each concordance search, and each TM match query are generating one request per configured TM.
					→ one request looks like:
					  id → request id,
					  query → query string,
					  tmid → id of the configured tm,
					  result → json result of the queried tm,
					  state → state of the request
					- by creating TM match requests for the next segments, this matches can be prefetched

	TRANSLATE-421	MT Communication	JS	translationmemory.Controller	- if store receives a 202 respectively a state = running it should show periodically over the store and refetch all running entries.
	TRANSLATE-421	MT Communication		TranslationmemoryWorker	- Worker which uses a Mt Connector to establish a connection to the configured MT Systems - The Idea is the same as for the TermTagger Worker, expect no scheduling and complicated slot management is needed, since all requests are inserted with status running as direct calls.

CRQ	Jira	Module	Area	Classes and methods	details

	TRANSLATE-421	MT Communication		Translationmemorywork erController	- each TM/concordance query per TM creates one own request.
					- extends the default WorkerController
					- enables post- and getAction since these are needed by the GUI
					- prefill and initialise the Worker Object with all Translationmemory related stuff, so that from GUI must only come the segmentId or the segmentContent, the requested TM ID and if it is a search or a MT request, this results in the following JSON:
					{
					 type: concordance|mtmatch,
					 segmentId: segment Id for reference,
					 query: string to query, if omitted load above segment and get content from there
					 result: contains the matches / search results as list
					}
					- if answer cannot not be created directly (200) but is created to be retrieved later (202), the result field should contain one single row which holds the „loading..." record to be rendered in the grid. This prevents an implementation in Javascript to create a dummy „loading..." entry there.
					- putAction can be disabled
					- getAction shall return the above saved worker results
					- Paging: if provided by used connector, pass through to the connector

	TRANSLATE-421	MT Communication			- extend the workers, so that the worker table can store worker results - extend the abstract worker or TMWorker so that it returns the results directly after X seconds, or a HTTP 202.
	TRANSLATE-421	MT Communication			- Fix the worker parallel handling

CRQ	Jira	Module	Area	Classes and methods	details
	TRANSLATE-421	MT Communication		BaseConnector	Abstract class, provides connector interface and shared functionality. - if a TM with a ressource which is not configured anymore is used, display this to the user as not available TM, and inform the admin. - open closing of TM's should be handled in a way so that a close request is only done if no other opened task also holds this Tms. - the query method receives always the segment content with tags (or the whole segment object which provides a strip method) → if a connector respectivaly the MT can handle tags must be decided by the connector internally. The GUI does not need this info, since tag recreation is permanently enabled. - Paging Yes / No - a save method is also needed to save the data to the TM → error handling therefore by restMessages - define (per connector) the base color which is used in initial TM entry generation - define an abstract "synchronizeTmList" method, which does for file based connectors nothing, for non file based connectors the list of configured languages is synchronized with the TM list of this resource. TMs with non existing language pairs in config are deleted, missing language pairs are added. Since in config the RFC4959 name is used, we have to compare them against our languages table to retrieve language IDs which then should be used in TM table.
	TRANSLATE-421	MT Communication			Needed new Handler: OnTask Open → open assigned Tms if needed OnTask Close → close assigned Tms
	TRANSLATE-421	MT Communication		OpenTM2 Connector	REST Interface, see separate concept paper. Open Close is not needed since OpenTM2 handles opening closing internally.
	TRANSLATE-421	MT Communication		OpenTM2 Connector	runtimeOptions.etc.mtResources.openTM2.url = ['https://127.0.0.2','https://127.0.0.3']; The TM Ressources are named OpenTM2 – 1 OpenTM2 2 based on their Array Index here.

CRQ	Jira	Module	Area	Classes and methods	details
	TRANSLATE-421	MT Communication	PHP	DBConfig	Since more and more complex JSON is stored as config values in DB Config, the errorhandling should be improved here. Currently json_decode result is used as value without checking for JSON parse errors. This errors should be logged in DBConfig::convertConfig Method.
	TRANSLATE-421	MT Communication	config	Generall Non File based TMs	For non file based TMs the avaiable language pairs should be configurable. For each language pair one dummy entry in the TM table will be created.
	TRANSLATE-421	MT Communication	PHP	Moses Connector	Moses Connector class extending Base Connector
	TRANSLATE-421	MT Communication	config	Moses Connector	runtimeOptions.etc.mtResources.moses.url = ['https://127.0.0.2','https://127.0.0.3']; runtimeOptions.etc.mtResources.moses.languages = {'de': ['en', 'it'],'en': ['de','it']} Same naming scheme as above.
	TRANSLATE-421	MT Communication	PHP		Subscripe to after PutSegment event and save new segment content to the configured TMs, if allowed by the TM association.
	TRANSLATE-421	MT / TM Panel for south area	JS	stores.Translationmemory controllers.Translationmemory	prefetching of match data for the next x segments - is done by TranslationmemoryStore and the TranslationmemoryController
	TRANSLATE-421	MT / TM Panel for south area	JS	Translationmemory.Controller	TranslationmemoryController needs to know which is the currently opened segment: 1. To show the correct matches from TranslationmemoryStore 2. To decide which are the next X Matches to be prefetched
	TRANSLATE-421	MT / TM Panel for south area	JS		The Controller implements the communication between the TranslationmemoryStore – which holds the request and therefore the rawdata – and the grids store to visualize the matches. implement a visuell fallback if not all tms are already loaded → the running query is stored in the TranslationmemoryStore, for each running query one dummy entry in the grid must be created

CRQ	Jira	Module	Area	Classes and methods	details
	TRANSLATE-421	MT / TM Panel for south area	JS		The panel it self and its integration
	TRANSLATE-421	MT / TM Panel for ergonomic mode	JS		The panel it self and its integration - in general same as in normal mode, must be bound to the view modes
	TRANSLATE-421	Concordance Search	JS		the search panel it self and its integration - in general same structure as for TM Matches - the more button if there are more than 5 results per TM - after clicking one „more" all results of one TM are shown in a new, closable tab in the southarea
	TRANSLATE-421	Concordance Search	JS		- the search communication
	TRANSLATE-505	Keyboard Shortcuts	JS		- bind the defined keys to take over one of the found TM Matches; - first match has CTRL+1, second CTRL+2, etc. - tooltips show the shortcut on each row - if a match of a later answering resource moves to already assigned place 2, it gets the short-cut CTRL+2 assigned and the old mathc moves to CTRL+3