

Assignment List Web Part

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1. Summary

The typical assignment workflow starts with assignments created from SLK-enabled document libraries. After creation, all access to assignments is achieved through the Assignment List Web Part (ALWP).

The Assignment List Web Part allows instructors and learners to view a list of their SharePoint Learning Kit (SLK) assignments. Users can filter the assignments listed by selecting queries listed in the web part. For example, the user may select the query that displays all assignments "Due this week," or a different query to display all "Overdue" assignments.

The ALWP is the primary method to access SharePoint Learning Kit assignments. The assignment list displays several columns of relevant summary data for each assignment, and the user can select an assignment to view the assignment properties and take further action on that assignment.

The ALWP may be used on any SLK enabled SharePoint site. The ALWP as specified here is not for use outside of WSS v3.

1.1. Goals

The ALWP has the following goals:

1. Provide a single configurable web part to display user-specific assignment lists for SLK Instructors or SLK Learners.
2. Display a list of the current user's assignments in a useful manner.
 - Display basic summary data directly in the assignment list (i.e. site, title, status, score)
 - Allow the user to filter the displayed list of assignments by assignment conditions. (overdue, due next week, etc.)
 - Allow the web part to filter the assignment list by SharePoint scope. For example, show the user all assignments on this particular site or show the user all their assignments across all sites using the SLK database.
 - Allow the web part to display only assignments for which the current user is a learner.
 - Allow the web part to display only assignments for which the current user is an instructor.
3. Provide a mechanism for users to select any listed assignment to view the assignment properties and act on that assignment.

2. Assignment List Web Part

API Name The name of the API class that implements this Web Part.	AssignmentListWebPart
WP Description As seen in WP Gallery, also appended to title to form a tool tip when user hovers over title	Use this web part to keep track of your SharePoint Learning Kit assignments.
Default Property Determining which property is initially selected for Edit when editing the WP	None
Category	Assignment List

M3 DCR: Change ALWP to be a SharePoint Web Part

The current implementation of ALWP is as a ASP.NET 2.0 web part rather than as a SharePoint web part. We may want to change to a SharePoint web part if we want to implement the following:

- A web part property order
- The standard "open the tool pane" link for web part errors that require modification of properties in the tool pane.

2.1. Properties

The table below lists the ALWP web part properties. The standard Appearance, Layout, and Advanced web part property categories should be included below the Assignment List category in the web part properties. The order of the properties listed in the table below does not indicate the

order displayed in the web part properties. Section 4.1 describes why the properties are listed in an arbitrary order.

Name	Title	Description	Type	Default	Behavior if Empty
ListScope	Show Only This Site's Assignments	Display only assignments for this site instead of all assignments in the database.	Checkbox	Checked	See section 2.3.1.2
Display-Summary	Show Query Control	Show the control for selecting a query to display in the assignment list.	Checkbox	Checked	
Summary-Width	Query Control Width	Width of the query control.	Unit	150px If user specifies a number without units, use pixels.	Use 150 pixels
QuerySet-Override	Query Set Override	Query or query set to display for all users instead of the default. For example, "LearnerQuerySet" or "InstructorQuerySet".	String	Empty	See 2.2.4

M3 DCR: Query Set Override as a Dropdown List

The current design requires a web part administrator to know the exact name of the query or query set to specify it in the query set override field.

This DCR would implement the query set override as a dropdown list of all available query sets and queries. This would allow the user to select the desired query set without having to know the exact query set name string.

2.2. Appearance

2.2.1. HTML and Styles

The developer should use common SharePoint styles as used in the ALWP mockup to match the look and feel of the web part with SharePoint themes.

2.2.2. Web Part Title and Description

The web part title and description are provided in the AssignmentList.webpart file. When the ALWP is added to the SPSTe web part gallery by uploading the AssignmentList.webpart file, the default title, description, and resulting title tooltip are as follows:

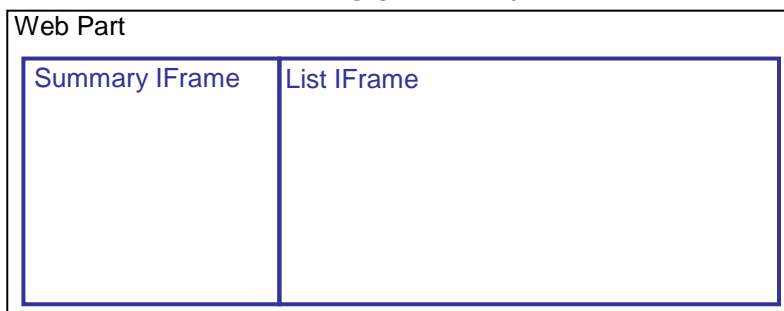
Element	Default
Title	Assignment List
Description	Use this web part to keep track of your SharePoint Learning Kit assignments.
Tooltip	<Title> - <Description> Example: "Assignment List – Use this web part to keep track of your SharePoint Learning Kit assignments."

Users may modify the title and description by editing the Appearance>Title and Advanced>Description web part properties.

2.2.3. General Layout

When the Display Summary property is checked, both the summary list and assignment list frames are displayed in the ALWP.

The ALWP has the following general layout.



The core functionality is implemented using SLK aspx pages displayed within iframes in the web part. This is done for two main reasons:

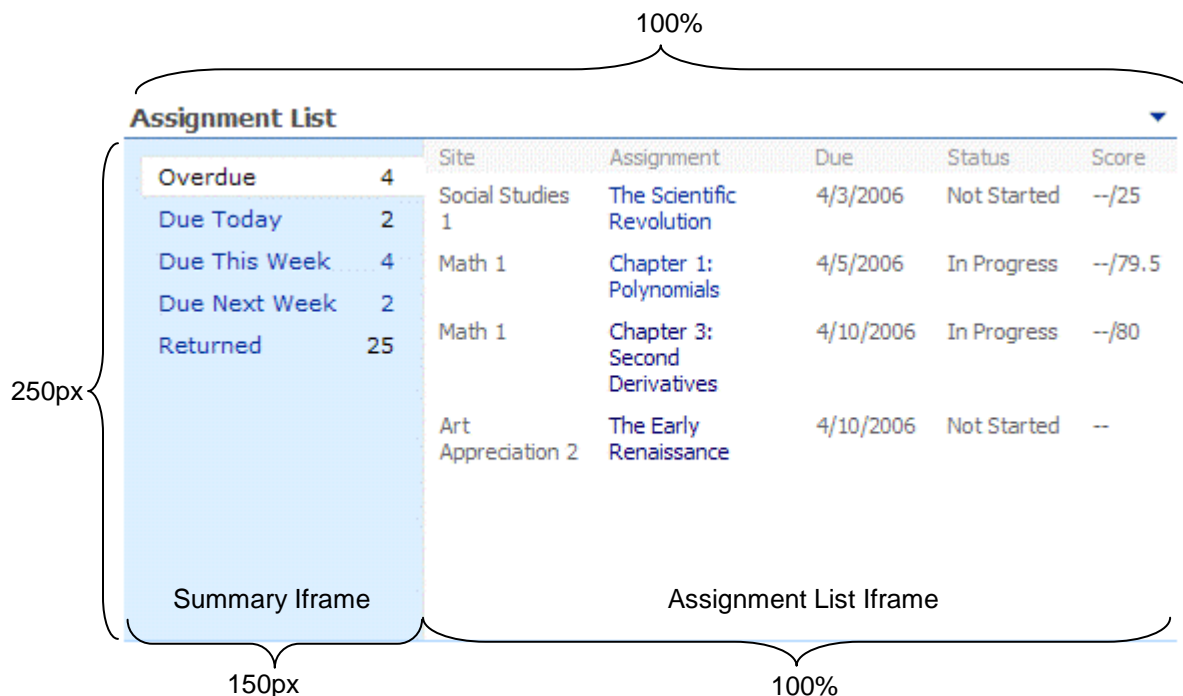
1. It minimizes the possibility that the web part will timeout. Even if the assignment list is very long and the queries take a long time to execute, the web part will still load and give initial feedback to the user. The actual data is displayed in the iframes after it is retrieved.
2. It provides us with the most flexibility for implementing SLK queries and displaying them with the correct formatting in the web part.

2.2.3.1. Web Part and Frame Dimensions

The summary and assignment list iframes are rendered within the web part area. The table below specifies the default behavior and options for the web part and interior frame dimensions.

The summary list and assignment list iframes use the web part height for their heights. If the user modifies the web part height, then the summary and assignment lists should adjust to match that height and scroll accordingly if the data extend beyond that height (see [Assignment List Scrolling](#) and [Summary List Scrolling](#)).

	Dimension	Variable/Fixed	Default	Modifiable by the user?	Category:Property
Assignment List Web Part	Width	Variable or Fixed	Fit width of zone	Yes	Appearance:Width
	Height	Fixed	250px ¹	Yes	Appearance:Height
Summary List Frame	Width	Fixed	150px	Yes, limit specified width to 32767px.	AssignmentList:-SummaryWidth
	Height	Matches web part height		No	N/A
Assignment List Frame	Width	Variable	100%	No	N/A
	Height	Matches web part height		No	N/A



ALWP with default frame dimensions

¹ Use this default web part height unless the appearance height is set to a different *fixed* height. If a user selects "Adjust height to fit zone," then use the default height.

2.2.3.2. Assignment List without Summary

When the DisplaySummary web part property is unchecked, the web part displays only the assignment list iframe and does not display the summary list.

In this display mode the assignment list expands to fill the entire width of the ALWP, which fills the allotted area for the web part.

Without the summary frame, when a query set is specified, the assignment list will display the default query in the query set. If a different query is desired, then user can specify an individual query name in the query set override to display in the assignment list (see section 2.2.4). This eliminates the need to create a separate query set with a different default query.

Assignment List

Site	Assignment	Due	Status	Score
Social Studies 1	Extra-Credit Book Report		Final	10/10
Math 1	Chapter 5: Complex Numbers and Other Complex and Complicated Concepts	3/28/2006	Final	100/100
Social Studies 1	Book Report 1	3/29/2006	Final	9.92/10
Social Studies 1	Book Report 2	4/6/2006	Final	9.63/10
Social Studies 1	The Reformation	4/7/2006	Final	25
Social Studies 1	Book Report 3	4/13/2006	Final	10/10
Math 1 Second Period	Thursday Homework: E	4/14/2006	Final	5/5

2.2.4. Query Set Override: Query or Query Set

By default, SLK provides a LearnerQuerySet and InstructorQuerySet. Each query in a query set corresponds to a filtered set of results from the SLK database. Learner queries display one row for each of the current user's LearnerAssignments that satisfy the conditions of the query. Instructor queries display one row for each assignment for which they are an instructor.

Query results are different for learner and instructor queries because one assignment returned in an instructor query can be associated with many individual learner assignments. The assignment title hyperlinks for learner queries link to a specific LearnerAssignment displayed in the lobby page. The instructor query hyperlinks link to an assignment (not LearnerAssignment) in the grading page.

Queries and query sets are described in more detail in section 2.3.

During the initial web part loading process, the ALWP displays the appropriate default query set as specified below unless a query or query set is specified in the query set override property. The query set override property can be empty, can contain a query set to display, or can contain a single query to display.

2.2.4.1. Displaying the Default Query Set

By default, the Query Set Override property is empty and SLK looks to the user's role on the SPWeb containing the ALWP to determine which standard query set to use.

Role Assignment	Default Query Set
Learner	LearnerQuerySet
Instructor	InstructorQuerySet
Learner and Instructor	InstructorQuerySet
Not Learner or Instructor	LearnerQuerySet

Note, the query set name can be hard coded because the string is not human readable in the UI and is only present in the XML SLK Settings file.

2.2.4.2. Displaying a Query Set

The default query set or specified override is displayed in the ALWP as follows:

Query Set Override	List	Display in the List
Query Set or Empty (Default Query Set)	Assignment	Display results from the default query of the query set specified.
	Summary	Display the title and count of each query in the query set in the order written in the SLK Settings file.

2.2.4.3. Displaying a Single Query

When a single query is specified, it is displayed as follows:

Query Set Override	List	Display in the List
Query	Assignment	Display the results from the specified query.
	Summary	Display the title and count of the specified query.

Specifying an individual query in the query set override property is an advanced capability that is most helpful when the summary frame is not shown.

M3 DCR: Extra Query Sets

Current design uses the InstructorQuerySet by default for users who have both the learner and instructor permissions, and the LearnerQuerySet for users who have neither the learner nor the instructor permission on the SPWeb. It is possible that an SI will not want users with these role assignment combinations to use the same query set as learners and having it hard coded to the learner query may be limiting.

We can add additional query sets for these groups and have them duplicate the contents of the LearnerQuerySet and the InstructorQuerySet. This would allow an SI to later modify the query and have it appear correctly by default. This is a feature for flexibility, but may not be necessary. In the current design the SI could still create a new query and force it in a particular web part instance.

Other options here are:

- Allow query sets to reference other query sets. This helps with the maintenance problems of changing a query set that was duplicated in the standard file (Example: Admin. makes a change to the LearnerQuerySet not realizing that the InstructorLearnerQuerySet needs to be changed too).

- Change the properties to have fields for each type of query set and default those fields to the query sets above. This has a couple other benefits: It shows web part administrators what query sets are used in each situation. It allows for individual overrides based on user permissions. It shows the web part admin what type of information is expected in the query set field.

2.2.4.4. Asynchronous Loading

During loading, the query titles are immediately displayed in the summary list along with hourglass icons in place of the query counts. The queries are then run asynchronously to retrieve the query counts. After all query counts are retrieved, they are displayed in the list, replacing their respective hourglass icons. The asynchronous calculation and display of the counts is done to allow immediate interaction with the web part even in cases where the queries may take a while to run.

The assignment list iframe displays asynchronously with the loading of the summary iframe and may display the default query results before the summary iframe is fully displayed.

Any time the page is refreshed, the web part reloads summary list and the default query. All previous query selection and sorting state is not retained during a page refresh.

Assignment List

		Site	Assignment	Due	Status	Score
Overdue	⌚	Math 1	Chapter 3: Second Derivatives	4/10/2006	In Progress	--/80
Due Today	⌚					
Due This Week	⌚	Art Appreciation	The Early Renaissance	4/10/2006	Not Started	--
Due Next Week	⌚	2				
Returned	⌚					


Figure 1: ALWP loading with hourglasses as query counts are retrieved

Additional Information

See section 2.3 for additional information on queries, query sets, and exactly how the query results are rendered in the assignment list iframe.

See section 3.1 for examples on how query sets can be used in the ALWP.

M3 DCR: Change hourglass icon

If we can, it would be cool to use IE7's "loading" icon: 

M3 DCR: Reduce hourglass flicker with animated gif

According to dev, there may be some flickering in the display of the hourglass graphic. If this is the case and we want to fix it, we can do so with a 2 image animated gif. The first image would be blank for roughly 0.5 sec. and then would display the hourglass.

M3 DCR: Add Loading... to Assignment List Iframe

If we find that the loading of query results in the assignment list iframe takes a considerable amount of time, we may want to add "Loading..." text to indicate that the web part is still working and will display results soon.

2.2.5. Summary List

Query titles are left justified and query counts are right justified within the summary list.

The query titles wrap as necessary. If the query title wraps, then the tabbed outline when the query is selected surrounds the entire title as illustrated below.

**2.2.5.1. Selecting a Query**

When a user selects a query in the summary list, the query results are displayed in the assignment list iframe. The query selected in the summary list is highlighted as a selected "tab" illustrated above.

M3 DCR: Do not register an entry for every query selection and sort in the browser's history

Modify the web part so each query selection and sort selection do not register an additional entry in the browser's history. For example, if a user navigates to an SPWeb with the ALWP, selects three different queries and then wants to return to the previous page, they should only have to hit "back" once to get to the previous page rather than four times to cycle through all of the query selection events.

2.2.5.2. Summary List Scrolling

If there are too many queries listed to fit in the summary list iframe, then the summary list will scroll vertically. The scrollbar will only display if needed.

When scrolling, the summary list should adjust to fit the width of the frame such that the titles are still left justified and the numbers are right justified and visible with the scrollbar.

The summary list is intended to not have more queries listed than can fit in the height of the frame. The ideal use of the ALWP is for the web part height to be adjusted to fit all queries in the query set within the frame. If queries are added to a commonly used query set and they end up

extending beyond the frame height, then all web parts using that query set will need to be resized to avoid the scrolling behavior.

M3 DCR: Remove summary list from iframe to eliminate scrolling

It isn't ideal to have a scrollbar between the two frames because it breaks up the flow of the tabbed design. However, it is important for the queries to always be accessible.

Some of the original reasons for implementing the summary list in an iframe may no longer exist and we may be able to implement the summary list directly in the web part. This would eliminate the need for scrolling the summary list as the web part would expand to fit the number of query titles.

The current design implements the summary list in an iframe because of some initial concerns with code access security and being able to access and display the query titles and counts directly in the web part. An additional advantage to the current design is performance, it is almost guaranteed that the web part will not time out since all assignment list querying occurs in iframes.

The current design has a work-around to avoid scrolling. If there are too many queries in a query set to fit within the default height of the web part, an administrator can modify the web part height to fit the queries and eliminate the scrolling. However, in the case where a query is added to the query set after all the web pages have been created, it would be a lot of work to go and change properties on all the web parts.

2.2.6. Assignment List

2.2.6.1. Column Spacing and Text Wrapping

The columns displayed in the assignment list iframe wrap as needed and may be forced to not wrap by setting the attribute `wrap="false"` in the respective `<column>` element in the query definition. See SLK Settings Schema documentation for additional information.

2.2.6.2. Assignment List Scrolling

If the width of the ALWP is narrow enough to exceed the minimum width of the columns in the assignment list iframe, then the iframe scrolls horizontally within the web part. This could happen either from the space allotted being reduced, the window being resized, or the user specified width being too small.

The assignment list iframe scrolls vertically within the web part if the list of assignments exceeds the set vertical space in the web part.

Column titles scroll off the top of the iframe when scrolling vertically because they exist as part of the returned query data within the iframe.

M3 DCR: Remove column headings from assignment list iframe

We may be able to prevent the column headings from scrolling off the screen if we set the column widths as part of the query definition. We could set them as a % of total, and they should sync up between the header and the content even if the content is in an iframe.

This would likely cause us to change the way we do our table styles such that they would likely be different from the SharePoint table styles.

Comment:

It turns out on thinking about this more that just setting a %of total probably won't work if

columns don't wrap as predicted. I think it's more difficult than this. We should keep this as a M3 DCR, but the more I think about it, the less likely it is that we'll find something with reasonable implementation cost. ☹

Assignment List

		Site	Assignment	Due	Status	Score
Overdue	4	Social Studies 1	Extra-Credit Book Report		Final	10/
Due Today	2					
Due This Week	4	Math 1	Chapter 5: Complex Numbers and Other Complex and Complicated Concepts	3/25/2006	Final	100
Due Next Week	2					
Returned	25	Social Studies 1	Book Report 1	3/26/2006	Final	9.9
		Social Studies 2	Book Report 2	4/3/2006	Final	9.6

2.2.6.3. Selecting an Assignment

Clicking on an assignment name in the assignment list launches the assignment properties page for that assignment in a new window. Queries that list learner assignments launch the lobby page. Those that list instructor assignments open the grading page. See the Assignment Workflow UI spec for more information on accessing a created assignment.




2.2.7. Error Handling

ALWP error messages are displayed in a borderless table. Unless otherwise specified, each message contains an icon and a message that may contain line breaks and span multiple lines.

The messages use the ms-vb style to achieve the standard spacing and font style used by default SharePoint web parts.

2.2.7.1. Error Types

There are three types of messages that can be shown, each display in the iframe in which they occur.

Type	Icon	Tooltip for Icon	Recovery
Info		Note	Information for the user. User can continue to interact with ALWP.
Warning		Warning	Warning on the page. User can continue to interact with the ALWP.
Error		Error	Error. The user cannot interact with ALWP.

2.2.7.2. Full Web Part Errors

Full web part errors occur outside the iframes and display across the entire web part area.

The image below is a mockup of a full web part error.

Assignment List

✖ The query or query set, asdfadve;oinsg, does not exist. Open the tool pane to specify a different query set override or remove the entry to use the default query set.

2.2.7.3. In-Frame Errors

Errors that occur in the summary or results iframes should take up the width of the corresponding iframe and not cause the frame to scroll horizontally. If required, the frame may scroll vertically.

2.2.7.4. Property Validation Errors

ALWP properties are validated using standard web part properties validation. For example, the summary width value uses default SharePoint validation that ensures the value is a proper unit and value.

2.2.8. Error Conditions

The following ALWP error conditions are formatted by type according to section 2.2.7.

2.2.8.1. General Exceptions

Unless otherwise specified, safe to display exceptions are displayed as errors in the frame in which they occur. Exceptions that are not safe to display should render the following error in the frame and the exception should be written to the event log.

Type	Message
✖	An error occurred. More information may be available in the server event log.

2.2.8.2. SLK is Not Configured for the SPSTite

If the ALWP is on an SPSTite that has not been configured for SLK, display the following as a full web part error.

Type	Message
✖	This site is not configured to use SharePoint Learning Kit. Administrators can use SharePoint Central Administration to configure SharePoint Learning Kit.

2.2.8.3. Anonymous Access

If the current user is not signed in to SharePoint, we display the following full web part information message without the information icon:


Message
You must sign in to view your assignments.

Note, it is possible this message will be displayed for users who are signed-in but are not users with permissions on the current site. In those cases, it can look to the user like they are signed in,

but SLK will not be able to get an SPUser object because they are not a user of the site. If this becomes an issue for users, we should consider a modified error message.


2.2.8.4. Database Deadlock Error

If an error occurs due to a deadlock condition on the server, display the following error in the frame in which it occurs:

Type	Message
	The server is currently busy. Please refresh your browser.


2.2.8.5. General Database Errors

If the ALWP is unable to access the SLK database, display the following full web part error:

Type	Message
	The SharePoint Learning Kit database is currently unavailable. Try refreshing your browser. If the problem continues, contact your site administrator.

2.2.8.6. Invalid Query Set Override

If the query set override string is not a valid query or query set name, display the following full web part error:

Type	Message
	The query or query set, <Query Set Name>, does not exist. Open the tool pane to specify a different query set override or remove the entry to use the default query set.

2.2.8.7. Failed Query Execution

If checking the query counts fails due to one or more queries failing, display "ERROR" in the summary frame count for each query that fails. If the user selects a failing query, then the appropriate exception message should display in the results frame according to 2.2.8.1. The results should display normally if the user selects a query that is not failing.

2.2.8.8. Empty Query Condition

Queries with no results will display a query count of 0 in the summary list and display the following information message without the information icon in the assignment list iframe below the column headings.

Message
There are no items to show in this view.

2.3. SLK Queries and Query Sets

The list of assignments displayed in the ALWP is the result of a *query* to the SLK database. The SLK Core Concepts spec describes the basics of queries and query sets.

The following sections specify the standard out-of-the-box SLK queries and query sets used by ALWP.

2.3.1. Common Query Elements

The following functionality is common to all standard queries used in the ALWP.

2.3.1.1. Query Formatting

Query columns can be formatted by specifying an HTML format string and/or specifying a *RenderAs rendering type* for the column. Rendering types perform additional programmatic operations to the data beyond HTML formatting prior to displaying in the column.

See the SLK Settings Schema documentation for detailed definition and implementation information for *RenderAs* types. The standard queries defined in section 2.3.2 specify which *RenderAs* types should be used for each column displayed in a query. They also specify the formatting string, if one is used, for the column cells and tooltips.

2.3.1.2. Query Scope

The query results displayed in the assignment list are scoped according to the *ListScope* property. The property is a checkbox with the following behavior.

ListScope	Behavior
Checked	<i>The queries will only return results scoped to this SPWeb.</i>
Unchecked	<i>The queries will return all results in the database, regardless of SPWeb or SPSite.</i>

When the web part displays assignments from the entire database, those are all assignments in the SLK database associated with the SPSite containing the web part's SPWeb. It is possible that an installation will have multiple SLK databases associated to different SPSites. In that case, the user will not get results from the other databases. (See Installation and Configuration spec for more information on associating SPSites with SLK databases.)

See section 3.2 for example usage.

M3 DCR: Add List Scope for all assignments in "this site collection"

Note: Recent design changes to make ListScope a checkbox rather than an enum will affect this DCR. Likely any modifications to implement this DCR would require an investigation to return to the Enum design for the various list scopes.

The queries will only return results scoped to the current SPSite. This is currently removed from the design because it may be of minimal benefit when compared to the "Entire SLK Database" scope.

The typical installation will likely have schools match to site collections where it will be unlikely that a individual needs to scope assignments to specific schools. They are still allowed to have assignments scoped to different SPWebs on different SPSites, but they would access those either on the specific SPWebs or in aggregate across the entire database.

If we end up needing the ability to scope to an SPSite, then we should consider this feature for an M3 DCR. One possible example use:

The school may put the web part on the top level school site and set the web part to display all assignments for this SPSite. Assuming there is one school per SPSite, the learners will see all of their assignments across all SPWebs in the school.

2.3.1.3. SPWeb Site Name Lookup

The “site” query column displays the SPWeb name for assignment. If the SPWeb does not exist or the current user does not have access to lookup the SPWeb name, then “Unknown Site #” will be displayed as the site name.

Each unique site that cannot be accessed at the time of rendering the assignment list will have a different #, 1-n. Thus, if multiple assignments are scoped to the same assignment, the same site name will be rendered, (ie “Unknown Site 2”). This allows for sorting and for users to see that those assignments are scoped to the same site.

Example:

- Math 1B
- Math 1A
- Unknown Site 1
- Unknown Site 2
- Math 1B
- Unknown Site 1

2.3.1.4. Assignment List Simple Sorting

Queries specify a default primary and secondary sort column and whether the sort is ascending or descending.

All columns in the query results can be sorted by the user. Hovering over the column title displays a tooltip in the following format:

“Sort by <ColumnTitle>”

Example: Sort by Assignment

The user can sort the assignment list by clicking a column heading. This sorts the list by the column selected in ascending order. Clicking on the heading again sorts the list in descending order, and so on in alternating fashion. The default *query* primary sort is the secondary sort when a user sorts by column.

When a user sorts by column, the column displays an arrow indicating the direction of the sort, up if ascending, down if descending. An arrow is not displayed by default (no user sorting).

User sorting behavior is set according to the RenderAs type of the column as follows:

RenderAs Type	Sort behavior
Default (default value)	Sort alphabetically by the rendered string.
UtcAsLocalDateTime	Sort by date in ascending order (with the earliest due date listed first) and list assignments without dates below those with dates. When sorted in descending order, null dates appear before those with due dates.
SPWebName	Sort alphabetically by SPWeb name string.

Link	Sort alphabetically by the rendered string.
LearnerAssignmentStatus	Sort status by workflow state, ascending order is "Not Started", "In Progress", "Completed", and "Final".
ScoreAndPossible	Sort by points divided by points possible in increasing numerical order for an ascending sort. If points is null, then sort as 0. If points possible is null, just use the numerator.
Submitted	Sort by the number of learner assignments submitted-or-returned in increasing numerical order with zero submitted listed first in an ascending sort.

Assignment List

Overdue	4	Site↑	Assignment	Due	Status	Score
Due Today	2	Art Appreciation 2	The Early Renaissance	4/13/2006	Not Started	--
Due This Week	4	Math 1	Chapter 1: Polynomials	4/8/2006	In Progress	--/79.5
Due Next Week	1	Math 1	Chapter 3: Second Derivatives	4/13/2006	In Progress	--/80
Really Long Title		Social Studies 1	The Scientific Revolution	4/6/2006	Not Started	--/25
Returned	25					

Figure 2: ALWP user-sorted by Site, ascending.

The column titles match the formatting of the standard SharePoint list column headings.

If the user selects a different query and then returns to the previous query, the query displays the default sort and does not maintain the user's last sort for the first query.

2.3.1.5. This Week and Next Week Behaviors

Several queries use due date to show all assignments due "This Week" or "Next Week".

SLK uses the same definition of this week as defined for Class Server V4:

.NET has a function which returns the day of the week considered to be first day of the week in the current locale. (This is Sunday in the US, but Saturday in Israel, and possibly other days in other locales).

This week is always a range of 7 days that starts on the first-day-of-the-week \leq today, and extends to the upcoming next last-day-of-the-week \geq today

For example, in the US, if today was Sunday, This Week would be defined from today through next Saturday. If today was Wednesday, This Week would stretch from the previous Sunday to the upcoming Saturday.

Next Week is defined as the range of 7 days immediately following This Week.

2.3.2. Standard SLK Queries

The following tables describe the standard SLK queries provided in the default SLK Settings file.

2.3.2.1. Learner Queries

All learner queries display the following columns in the assignment list.

Learner Query Columns Displayed

Title	"Site"	"Assignment"	"Due"	"Status"	"Score"
View Column(s)	Assignment-SPWebGuid; Assignment-SPSiteGuid	AssignmentTitle; Learner-AssignmentId	AssignmentDueDate	Learner-AssignmentState	FinalPoints; Assignment-PointsPossible
RenderAs	SPWebName	Link	UtcAsLocalDateTime	Learner-AssignmentStatus	ScoreAnd-Possible
Format-String			"d"		
Wrap	True	True	False	False	False
If Empty	N/A	"Untitled"	"_"	N/A	"_"
Tooltip Format			"Due: {0:D}, {0:t}" No tooltip if null		"Score: {0}" No tooltip if null

Each table below defines the conditions and sorting for a single query.

Name: OverdueLearner		Title: Overdue	ViewName: LearnerAssignmentLearnerView
Description	Displays all learner assignments for which the current user is a learner and are overdue. Assignments without a due date are not included in the results. Only learner assignments that are "not started" or "active" are included.		
Conditions	<ul style="list-style-type: none"> • LearnerID == Current User AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentStartDate <= Now AND • AssignmentDueDate NOT NULL AND • AssignmentDueDate < Now (date and time) AND • LearnerAssignmentState < "Completed" ("Not Started" OR "Active") 		
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)		
Second Sort	Status, ascending. (Not started, In Progress, Submitted, Final)		

Name: DueTodayLearner		Title: Due Today	ViewName: LearnerAssignmentLearnerView
Description	Displays all learner assignments for which the current user is a learner and are due today. Assignments without a due date are not included in the results. The LearnerAssignmentState does not matter, so even submitted or final assignments will be displayed if they are due today.		
Conditions	<ul style="list-style-type: none"> • LearnerID == Current User AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentStartDate <= Now AND • AssignmentDueDate NOT NULL AND • AssignmentDueDate == Today 		
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)		
Second Sort	Status, ascending. (Not started, In Progress, Submitted, Final)		

Name: DueThisWeekLearner		Title: Due This Week	ViewName: LearnerAssignmentLearnerView
Description	Displays all learner assignments for which the current user is a learner and are due this week. See section 2.3.1.5 for the definition of “this week”. Assignments without a due date are not included in the results. The LearnerAssignmentState does not matter, so even submitted or final assignments will be displayed if they are due this week.		
Conditions	<ul style="list-style-type: none"> • LearnerID == Current User AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentStartDate <= Now AND • AssignmentDueDate NOT NULL AND • AssignmentDueDate is in this week. 		
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)		
Second Sort	Status, ascending. (Not started, In Progress, Submitted, Final)		

Name: DueNextWeekLearner		Title: Due Next Week	ViewName: LearnerAssignmentLearnerView
Description	Displays all learner assignments for which the current user is a learner and are due <i>next</i> week. See section 2.3.1.5 for the definition of “next week”. Assignments without a due date are not included in the results. The LearnerAssignmentState does not matter, so even submitted or final assignments will be displayed if they are due next week.		
Conditions	<ul style="list-style-type: none"> • LearnerID == Current User AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentStartDate <= Now AND • AssignmentDueDate NOT NULL AND • AssignmentDueDate is in next week. 		
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)		
Second Sort	Status, ascending. (Not started, In Progress, Submitted, Final)		

Name: ToDoLearner		Title: To Do	ViewName: LearnerAssignmentLearnerView
Description	Displays all learner assignments for which the current user is a learner and the LearnerAssignmentState is < “Completed” (Is NotStarted or Active). Assignments without a due date ARE included in the results.		
Conditions	<ul style="list-style-type: none"> • LearnerID == Current User AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentStartDate <= Now AND • LearnerAssignmentState < “Completed” (Is “Not Started” OR “Active”) 		
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)		
Second Sort	Status, ascending. (Not started, In Progress, Submitted, Final)		

Name: ReturnedLearner		Title: Returned	ViewName: LearnerAssignmentLearnerView
Description	Displays all learner assignments for which the current user is a learner and the LearnerAssignmentState is “Final”. Assignments without a due date ARE included in the results.		
Conditions	<ul style="list-style-type: none"> • LearnerID == Current User AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentStartDate <= Now AND • LearnerAssignmentState == “Final” 		
Primary Sort	DueDate, descending. (Latest due date comes first in the sort.)		
Second Sort	Assignment title ascending.		

Name: AllAssignmentsLearner		Title: All Assignments	ViewName: LearnerAssignmentLearnerView
Description	Displays all learner assignments for which the current user is a learner, regardless of Due Date and LearnerAssignmentState.		
Conditions	<ul style="list-style-type: none"> • LearnerID == Current User AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentStartDate <= Now 		
Primary Sort	DueDate, descending. (Latest due date comes first in the sort.)		
Second Sort	Status, ascending. (Not started, In Progress, Submitted, Final)		

2.3.2.2. Instructor Queries

All instructor queries will display the following columns in the assignment list.

Instructor Query Columns Displayed

Title	"Site"	"Assignment"	"Due"	"Submitted"
View Column(s)	Assignment-SPWebGuid; Assignment-SPSiteGuid	AssignmentTitle; AssignmentId	AssignmentDueDate	CountCompletedOrFinal; CountTotal
RenderAs	SPWebName	Link	UtcAsLocalDateTime	Submitted
Wrap	True	True	False	False
If Empty	N/A	"Untitled"	--"	N/A
Tooltip	None	None	"Due: {0:D}, {0:t}" No tooltip if null	None

The following tables describe the instructor queries defined in the default SLK Settings file. Each table defines the conditions and sorting for a single query.

Name: ActiveInstructor		Title: Active	ViewName: AssignmentGradingView
Description	Displays all assignments for which the current user is an instructor and at least one learner assignment has a LearnerAssignmentState != Final		
Conditions	<ul style="list-style-type: none"> • Current User == InstructorID AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • At least one LearnerAssignmentState != "Final" 		
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)		
Second Sort	Assignment title ascending		

Name: OverdueInstructor		Title: Overdue	ViewName: AssignmentGradingView
Description	Displays all assignments for which the current user is an instructor and have at least one learner assignment overdue. Assignments without a due date are not included in the results.		

Conditions	<ul style="list-style-type: none"> • Current User == InstructorID AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentDueDate NOT NULL AND • AssignmentDueDate < Now (date and time) AND • At least one LearnerAssignmentState < “Completed” (“Not Started” OR “Active”)
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)
Second Sort	Assignment title ascending.

Name: ReadyToGradeInstructor	Title: Ready to Grade	ViewName: AssignmentGradingView
Description	Displays all assignments for which the current user is an instructor and at least one learner assignment state = “completed”.	
Conditions	<ul style="list-style-type: none"> • Current User == InstructorID AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • At least one LearnerAssignmentState == “Completed” 	
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)	
Second Sort	Assignment title ascending	

Name: DueTodayInstructor	Title: Due Today	ViewName: AssignmentGradingView
Description	Displays all assignments for which the current user is an instructor and are due today. Assignments without a due date are not included in the results.	
Conditions	<ul style="list-style-type: none"> • Current User == InstructorID AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentDueDate NOT NULL AND • AssignmentDueDate == Today 	
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)	
Second Sort	Assignment title ascending	

Name: DueThisWeekInstructor	Title: Due This Week	ViewName: AssignmentGradingView
Description	Displays all assignments for which the current user is an instructor and are due this week. See section 2.3.1.5 for the definition of “this week”. Assignments without a due date are not included in the results.	
Conditions	<ul style="list-style-type: none"> • Current User == InstructorID AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentDueDate NOT NULL AND • AssignmentDueDate == ThisWeek 	
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)	
Second Sort	Assignment title ascending	

Name: DueNextWeekInstructor	Title: Due Next Week	ViewName: AssignmentGradingView
Description	Displays all assignments for which the current user is an instructor and are due next week. See section 2.3.1.5 for the definition of “next week”. Assignments without a due date are not included in the results.	

Conditions	<ul style="list-style-type: none"> • Current User == InstructorID AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • AssignmentDueDate NOT NULL AND • AssignmentDueDate == NextWeek
Primary Sort	DueDate, ascending. (Assignments most overdue come first in the sort.)
Second Sort	Assignment title ascending

Name: ReturnedInstructor	Title: Returned	ViewName: AssignmentGradingView
Description	Displays all assignments for which the current user is an instructor and all of the learner assignments have a LearnerAssignmentState = final.	
Conditions	<ul style="list-style-type: none"> • Current User == InstructorID AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID AND • All LearnerAssignmentStates == Final 	
Primary Sort	DueDate, descending. (Latest due date comes first in the sort.)	
Second Sort	Assignment title ascending	

Name: AllAssignmentsInstructor	Title: All Assignments	ViewName: AssignmentGradingView
Description	Displays all assignments for which the current user is an instructor.	
Conditions	<ul style="list-style-type: none"> • Current User == InstructorID AND • If (ListScope is defined to SPWeb) ListScope == SPWebGUID 	
Primary Sort	DueDate, descending. (Latest due date comes first in the sort.)	
Second Sort	Assignment title ascending	

2.3.3. Standard SLK Query Sets

The following query sets are in the default SLK Settings file. The order of queries listed below is the order specified in the SLK Settings file and the order listed in the ALWP summary list.

Query Set Name: LearnerQuerySet

- ToDoLearner (Default)
- OverdueLearner
- DueTodayLearner
- DueThisWeekLearner
- DueNextWeekLearner
- ReturnedLearner
- AllAssignmentsLearner

Query Set Name: InstructorQuerySet

- ActiveInstructor (default)
- ReadyToGradeInstructor
- OverdueInstructor
- DueTodayInstructor
- DueThisWeekInstructor
- DueNextWeekInstructor
- ReturnedInstructor

- AllAssignmentsInstructor

2.3.4. SLK Settings File

A detailed definition of the SLK Settings file and schema is located in the SLK SDK documentation.

2.4. Authentication and Authorization

SLK relies on SharePoint for authentication, but performs some authorization based on SharePoint role assignments and internally within the SLK database based on whether the current user is a learner or instructor for an assignment. See the SLK Core Concepts specification for additional information.

2.4.1. Assignment List Data Authorization

Security for the queries run and the resulting data displayed in the ALWP is handled by the SLK queries and LearningStore Views. The current user's identity is used from SharePoint. The LearningStore views used in SLK queries restrict the execution of the queries and the display of the query results to match the current user's permissions for the given query.

3. Feature Examples

3.1. Using Query Sets

1. Default – The web part is placed on a page and the assignment list and summary are both displayed by default. The web part is visible to all users and displays the default query set based on the current user's role on the SPWeb. The results from the queries are scoped by default to the current SPWeb because ListScope is checked. In most cases, users are either Learners or Instructors, but not both, so this single placement of the web part will work for both roles and display the correct query results.
2. Instructor View vs. Learner View – An installation has some users who are both instructors and learners on the same SPWeb and they want to display both a learner list and an instructor list on the web page. In this case, an administrator places two instances of the ALWP on the web page. One is the learner list and one is the instructor list.

For the learner list, the administrator sets the query set override to be LearnerQuerySet so the web part will always display the learner queries even if the learner is also an instructor on the SPWeb. The administrator then modifies the web part title to indicate that this list displays information for learners.

For the instructor list, the administrator sets the query set override to be InstructorQuerySet and modifies the web part title to indicate that this list displays information for instructors.

3. Custom Query Set – The school has noticed they don't use all of the default queries and would like to create a new query set that is a simplified set of queries with simpler titles for learners to use. They modify the SLK Settings file to include their new query set, for example, RiversideCustomQueries, and upload the changed file in SharePoint Central Admin. They place an instance of the web part on the class page and edit the properties to specify the new query set in the query set override property.

3.2. Assignment List Scope

1. The web part could be placed on the History 6 section A SPWeb and set to only display assignments for that SPWeb (ListScope=checked). The learners on that site would only see the History 6 section A assignments in the list.
2. The school may put the web part on the top level school site and set the web part to display all assignments for the entire SLK database (ListScope=unchecked). In a typical situation, where one school uses the same SLK database, the learners will see all of their assignments across all SPWebs in the school. They will also see any assignments they have at other schools or other SPSites using the same database.
3. A district with several schools (SPSites) has instructors that teach at multiple schools. The district could have all SPSites using the same SLK database and have a web part instance set to display all of the assignments in the SLK database. This allows instructors to see all their assignments regardless of the school (SPSite).

4. Feature Q/A and Decisions

4.1. Why are the web part properties in an arbitrary order?

With ALWP being implemented as an ASP.NET 2.0 web part, we have not found a way to specify an order of the properties and the cost of further investigation has caused us to stay with the default property order. From previous experience we believe we can specify the order if the web part is implemented as a SharePoint web part, and there is a DCR in place for that change if the project schedule permits it.

4.2. Query set settings file vs. individual web part properties for selecting ALWP queries.

We use a central SLK Settings file to define the SLK queries and query sets used in the ALWP. The XML-based settings file contains all SLK database settings. It is loaded into the SLK database during the database provisioning process. The settings and queries may be changed at anytime by editing and reloading the settings file.

Using a settings file provides flexibility in modifying and defining new queries and query sets for the SLK database. It also keeps the definition of the individual queries and query sets central to the database and targeted to the appropriate level of user. It is expected that the definition of queries will require at least a basic understanding of the SLK database schema, learning store views, and data sorting and formatting. This matches more of a database or server administrator persona and lets the web part or SPWeb administrator focus on the web part and optionally the name of the query set to use rather than how the query set is defined.

We decided to define queries and query sets in a SLK Settings file because of the flexibility and complexity that it handles well. We initially thought of placing all "view" definition attributes (columns, sort order, default view, etc.) in the web part properties, but as we investigated everything that would need to be defined and the limitations placed on the controls in web part properties, we opted for a cleaner user experience that moved the definition of "query sets" to a separate configuration file.

We expect most users will use the default query sets, but the sets may be expanded or modified by modifying the xml settings file and reloading the file into the database. We also expect that the user who is defining the query sets and the user who is configuring the web part will be different types of users. Defining the queries and query sets requires knowledge of querying databases and a general knowledge of Learning Store views. Editing the web part properties shouldn't require this level of knowledge and even the default web part behavior shouldn't require knowledge of queries and query sets. A more advanced user could specify a different query set in the properties, but still not need to be exposed to the definition of those queries and query sets.

Other benefits:

- SLK queries require additional processing beyond the base MLC views used to query the database. For example, an MLC view may return all the columns and rows of a query that the SLK query then further filters to present in the assignment list (ie. columns 1, 3, and 6 and sort ascending by column 3). By defining this in the configuration file, the web part administrator only has to specify which query set to display and does not have to worry about defining the queries or query sets in the web part.
- Defining SLK queries in a configuration file simplifies the web part properties UI, which would otherwise have the same xml-like attributes directly in the web part properties for editing.
- Using a central configuration file for the available views helps with maintainability. If an organization wants to change the sort order for one of the Instructor queries, they can now change it in a single location (per SLK database) rather than having to manually change every web part individually.

4.3. Default Query Set Design

We spent quite a bit of time trying to figure out the best behavior for what query set to use by default in the ALWP. The current specified behavior is intended to work the best by default for most use cases. If a user is only a learner or only an instructor on a SPWeb, then the web part will display the appropriate query set to display learner queries or instructor queries respectively. For the case where a user is neither a learner nor an instructor, we believe the default of showing learner queries seems reasonable.

The main question was what to do if the user is both a learner and an instructor on a site. We decided that if you are an instructor on a site, it is typically because you act as an instructor as your primary role on the site. Therefore, the default query set behavior is as follows:

- If the current user is an instructor on the SPWeb, then display the instructor queries.
- Otherwise, by default the ALWP will always display the learner queries.

We considered a couple other functional designs:

- Use a different query set for each role combination. The standard SLK settings file could duplicate the query sets for the "Learner and Instructor" or "Neither Learner Nor Instructor" cases.
 - This would give more flexibility to use different query sets for the different combinations in the future.
 - Negative is it adds confusion to the SLK settings file.
 - Couldn't think of a solid use case
- Rather than using internal mapping to the query set based on role, map to a web part property for each role combination and modify the design to have multiple query set defaults, one for each role combination.

- To set a full override, the web part admin would copy the same query set name into all properties. The advantage to this design is that a web part admin can fully customize what query sets are used by role assignment combination.
- The web part properties show the default query set names, which gives the web part admin some context of what is expected in the field if they want to make changes.
- One negative for this option was the additional properties and clutter of the properties pane.

5. Proposed Design Changes

M3 DCR: Change ALWP to be a SharePoint Web Part	2
M3 DCR: Query Set Override as a Dropdown List	4
M3 DCR: Extra Query Sets	8
M3 DCR: Change hourglass icon.....	9
M3 DCR: Reduce hourglass flicker with animated gif.....	9
M3 DCR: Add Loading... to Assignment List Iframe.....	10
M3 DCR: Do not register an entry for every query selection and sort in the browser's history	10
M3 DCR: Remove summary list from iframe to eliminate scrolling	11
M3 DCR: Remove column headings from assignment list iframe	11
M3 DCR: Add List Scope for all assignments in "this site collection"	15

6. Spec History

Date	Changes Made
2/10/2006	Spec created
3/24/2006	Added web part properties section and SLK queries and query sets section.
4/5/2006	Misc. updates for first pass up through queries and query sets
4/14/2006	Added the rest of the learner queries and started the instructor queries. Finished a first full pass on the spec.
5/3/2006	Edits after review with D.G. <ul style="list-style-type: none"> • Cut Summary Only display mode. – It doesn't have much functionality and isn't a core element of this feature. • Added a feature examples section for consolidated usage examples. • Changed display mode property to be a checkbox that shows or hides the summary list. Removed enum because there is no longer a summary-only display mode. Now web part always displays assignment list, but display mode checkbox indicates if summary is also displayed. • Change the default query set selection to look at the current user's role on the SPWeb rather than the visibility property. For example, if the user is a learner and not an instructor, then use the LearnerQuerySet. This still allows the admin to force a specific query set, but the web part works better in the default "just put the web part on the web" situation because the admin doesn't have to set the visibility to get the typical desired behavior where instructors see instructor list and learners see learner list. • Removed description of query render-as types because it is duplicating spec in the SLK Settings schema ispec. Now referencing that spec. • Reorganized spec around UI experience and removed redundant material. • Added DCRs for Extra query sets, change hourglass icon, reduce hourglass flicker, removing summary list from iframe, remove column headings from iframe.

5/3/2006	Added M3 DCR to not register an entry in the browser's history for every query selection and sort in the web part. Currently after selecting multiple queries and sorts the user has to click "back" for each query and sort to reach their previous page.
5/4/2006	<ul style="list-style-type: none"> Clarified that the summary frame should display the titles and counts left and right justified respectively when the frame scrolls. The scroll bar should not cut off any of the text rendered. Clarified that the ALWP iframe heights match the web part height and adjust accordingly if the appearance height property is adjusted. The 250px height is the default, but the admin can adjust that height as necessary (including smaller).
5/8/2006	<ul style="list-style-type: none"> Added sections on error conditions and error types. Most information is pulled from the Class Server V4 specs. This information is not ready for implementation yet and needs to be reviewed with EL. Sections that need further review/iteration prior to implementation are marked (Review with Dev). Cut the visibility property and auto-hide functionality. There were usability issues with the property and the feature value won't be used in most cases. A majority of sites will have users who are only a learner or only an instructor and the web part will display appropriately according to role in the current design. For the case where a user is both a learner and an instructor, the web part can still be placed on the page twice, one to display learner assignments and one to display instructor assignments. The difference is we will not auto-hide the second web part for users who are one role or the other. For example, users who only have the learner role will see the web part with the instructor queries, but the assignment list will be blank. Typically, the web part title would denote which web part is for instructors and which is for learners. Changed the list scope property to be a checkbox rather than an enum. Enums in web part properties will be an expensive investigation for the project, so we decided to modify this property since it was the only property left as a drop down list. Checked (default) will scope the list to only assignments scoped to the site. Unchecked will scope to all sites. Modified the display order of web part property controls to be, ListScope, DisplaySummary, SummaryWidth, QuerySetOverride. Trying to order the properties from the expected most used to least used.
5/9/2006	<ul style="list-style-type: none"> Added misc. comments from DG.
5/22/2006	<ul style="list-style-type: none"> Added issue. ALWP displays an access denied error in the assignment list frame anytime the current user has an assignment scoped to a site they do not have access to. This can be a problem when a learner has a series of assignments in the database, but they have been removed from a class and thus the corresponding SPWeb.
6/14/2006	<p>Properties</p> <ul style="list-style-type: none"> Added mockup image of web part properties formatting. Noted the standard property categorites (Appearance, Layout, Advanced) should be collapsed. Added horizontal separators between the ListScope, Summary, and QuerySet Override properties. Added M3 DCR for the Query Set Override to be a dropdown list populated with the available queries and query sets. Fixed title and description strings and removed UA! <p>Appearance</p> <ul style="list-style-type: none"> Removed UA! from web part title and description. Misc. edits to web part and frame dimensions to clarify that the height of the summary and assignment lists should match the user specified web part height. When the user does not specify a fixed height, we use a default height of 250px. Changed the default query set for users with learner and instructor permissions to be the InstructorQuerySet. Now the behavior is basically if the user has instructor permissions they get the InstructorQuerySet, otherwise all users get the LearnerQuerySet. Added a FAQ on the default query set decision.

	<ul style="list-style-type: none"> • Selecting learner assignments launches the lobby page. Selecting instructor assignments launches the grading page. <p>Error Handling</p> <ul style="list-style-type: none"> • Cleaned up error handling sections, removed CS V4 placeholder errors, and specified ALWP errors. • Specified three error types: In-frame errors, full web part errors, property validation errors. In-frame are errors with our functionality, but otherwise the web part is able to render properly. Web part errors are when we cannot render the web part. Property validation errors occur within the web part properties and use standard web part property validation. • Specified error conditions for general exceptions, database errors, invalid query sets, invalid query, and empty query results. <p>Queries and Query Sets</p> <ul style="list-style-type: none"> • Removed the background information and put it in the SLK Core Concepts spec. Kept the common query elements section in this spec because it pertains to particular ALWP behaviors and concepts. • Removed UA! from learner query titles. • Specified Instructor Queries. (Assumed learning store view will be InstructorAssignmentInstructorView.) <p>Other</p> <ul style="list-style-type: none"> • Added e-mail thread on possible solution to the SPWeb name rendering issue. • Updated feature example for users with both the instructor and learner permission to match more closely the default behavior of displaying the instructor query set.
6/27/06	<p>General</p> <ul style="list-style-type: none"> • Prepared for CTP1 • Added section 2.3.1.3 describing that the site column in the ALWP should list "Unknown Site #" when the current user no longer has access to the assignment site and thus cannot lookup the site name. This was previously an issue because we could not catch the security exception and the assignment list could not be rendered. • Removed the SPWeb name issue because we can now catch the security exceptions.
7/12/06	<p>Properties</p> <ul style="list-style-type: none"> • Changed WP Description to match the description displayed in the web part. • Removed property order and horizontal separator requirements because of difficulties in implementing the properties in a specific order. • Changed QuerySetOverride description to be "query or query set" <p>Appearance</p> <ul style="list-style-type: none"> • Simplified Web Part Title and Description section. – No functional change. • Summary frame width is now limited to 32767px. This should eliminate the bug where setting the summary to a very large value causes the web part to no longer be editable and requires deletion of the site to recover. • Added clarification to 2.2.3.2. When the summary frame is not shown, the assignment list should display the default query of the query set or the individual query specified in the query set override. (No functional change) • Added clarification to 2.2.4 that the query set override can contain the name of a query set or individual query. This section more clearly defines the behavior when an individual query is specified. <p>Error Handling</p> <ul style="list-style-type: none"> • Simplified error handling section. • Clarified error messages should match the spacing specified in the Assignment Workflow UI spec error banners. • Added the Info, Warning, and Error message types to be consistent across the product. • Now define errors as "Full Web Part Errors" or "In-Frame Errors". In general, errors

	<ul style="list-style-type: none"> will display in the frame in which they occur. In-frame errors should take up the width of the corresponding iframe and not scroll horizontally. General exceptions should display as errors in the frame in which they occur. Added errors for when SLK is not configured for the SPSTite and when an anonymous user is viewing the ALWP. Database and Invalid Query Set errors are displayed as full web part errors. Removed Invalid Query in a Query Set error because this is validated during upload of the SLK Settings file. Added a Failed Query Execution error for when a query fails. ALWP will display ERROR in the query count and selecting the query will display the appropriate exception message in the results frame. Clarified that the column headings should be displayed for an empty query condition. Updated the information message to be clearer. <p>Queries and Query Sets</p> <ul style="list-style-type: none"> Set the default queries in each query set to be the DueToday queries. <p>Other</p> <ul style="list-style-type: none"> Removed empty sections.
7/27/2006	<p>General</p> <ul style="list-style-type: none"> Noted ALWP is not designed to be used outside of WSS v3. Added an M3 DCR to change ALWP to a SharePoint web part. This could make it easier to specify the web part properties order and implement the "open the tool pane" link like other web parts. <p>Properties</p> <ul style="list-style-type: none"> Clarified that the order of properties spec'd does not indicate the order displayed in the properties pane. Removed "in pixels" from Summary Width and updated the summary width type to be of type Unit. Clarified if the user specifies a width without unit, we use pixels. <p>Appearance</p> <ul style="list-style-type: none"> Clarified that the web part title and description are provided by an AssignmentList.webpart file and the default title and description are as specified when the web part is added to the SPSTite by uploading the .webpart file. Added text to describe the basics of LearnerQuerySet and InstructorQuerySet and how the queries differ. <p>Error Handling</p> <ul style="list-style-type: none"> Clarified that "unless otherwise specified" each error displays an icon and message. Clarified the intent for the font style to match that of default SharePoint web parts. Updated general exception message to be consistent with other messages across the product. Updated <i>SLK is Not Configured for SPSTite</i> message to drop the acronym and improve readability. (Bug# 630) <i>Anonymous Access and Empty Query Condition</i> messages no longer display the information icon. (Bug# 618) <p>Queries and Query Sets</p> <ul style="list-style-type: none"> Display Unknown Site # in place of the site name in the summary list if the SPWeb does not exist. (Bug# 601) Fixed typo from "Untitled Assignment" to "Unknown Site" Removed formatting requirements for assignment list headings that depend on style. Removed repetitive text describing the reload behavior of the ALWP. Remove last UA! from Due date strings. "NotYetSubmittedLearner" query now has name "ToDoLearner" and title "To Do" "SubmittedInstructor" query now has name "ReadyToGradeInstructor" and title "

	<p>Ready to Grade"</p> <ul style="list-style-type: none"> • DueTodayLearner query now has secondary sort of Assignment Title ascending. • Added an ActiveInstructor query that displays all assignments for which the current user is an instructor and at least one learner assignment has a LearnerAssignmentState != Final. • Changed the primary sort order for queries that display a large number of results (All Assignments, Returned Assignments) to sort by due date descending rather than ascending so the most recently due assignments show at the top of the list. • Updated Learner and Instructor query sets to use the updated query names. New default LearnerQuerySet query is ToDoLearner. New default InstructorQuerySet query is ActiveInstructor. <p>Feature Q/A and Decisions</p> <ul style="list-style-type: none"> • Added a short section describing why the web part properties are in arbitrary order.
8/10/2006	<p>Spec Issue Fixes</p> <ul style="list-style-type: none"> • Removed "SubmittedLearner" query from the LearnerQuerySet. It was incorrectly in the query list. No change to code. (Bug #667) • Added note to the anonymous access error message that it may be displayed in cases where a user appears to be signed in, but is not a user with permissions on the site. No change to code. (Bug #730) • Fixed spec issues identified when implementing the instructor queries. Updated the view columns, view name, and a couple minor other changes. No change to code. (Bug #739) • Removed "AssignedByMeInstructor" query from the InstructorQuerySet. I'm not sure how useful it will be and there are too many queries in the query set. (Bug #746) • Instructor and Learner Query "Due" tooltip now uses a comma to separate the date and time rather than "at". This is friendlier for localization and is now consistent date/time representation across the product. (Bug #774) • Updated DueToday query sort orders to match DueThisWeek sorting. (Bug #749)
10/25/2006	<p>Web Part Properties</p> <ul style="list-style-type: none"> • Updated web part property strings for usability. For one of the changes, the term "Summary List" was replaced with "Query Control", which matches the end design behavior more closely from the user's perspective. (Bug #1089)
12/6/2006	<p>Error Handling</p> <ul style="list-style-type: none"> • Added error message for database deadlock situations. (Bug #1338) <p>General</p> <ul style="list-style-type: none"> • Removed hyperlinks to internal servers. (Bug #1321)