

NanoLearn Version 1.1 Feature List

NanoLearn is a SharePoint 2010/2013 add-on that helps to track and validate a user's viewing and understanding of documents/files in SharePoint and on the web. NanoLearn includes two Web Parts which contain functionality to create, manage, launch, track, and report on Nano Objects.

- **Create Nano Object:** Nano Objects are the core of the NanoLearn product. They are comprised of a piece of content, metadata, and a validator
 - o *Create a learning object using a document from a SharePoint document library such as .docx, .pdf, .wmv, etc.*
 - o *Create a learning object using any URL on the internet/intranet*
 - o *Create a learning object using any embed code (such as Youtube)*
 - o *Description*
 - o *Nano Points*
 - o *Validator*

- **Create Nano Collections:** Choose any number of created objects and group them into a Collection which can be assigned to Consumers. Collections are useful for associating complimentary objects.

- **View Nano Objects:**
 - o *A list of Nano Objects previously created*
 - o *View object details such as file used and validator type*
 - o *Approve/Unapprove objects to enable/disable access*

- **Validators:** Validators are used to verify a consumer's understanding of the content they've viewed
 - o **View Only:** *Track that the consumer has accessed the content*
 - o **Quiz:** *Create questions for the consumer to answer after viewing the content.*
 - o **Survey:** *Gather information/opinions about the object from the consumer after they've view the content*
 - o **Interaction:** *A back-and-forth between the consumer and contributor where an action is requested (such as have a conversation with the instructor, or write an essay), is then submitted by the consumer, and then read and scored by the contributor*

- **eSignature:** *The consumer digitally signs that they viewed and understood the content*

- **Scoring:**
 - *Review interaction submissions and assign a score*

- **Assign NanoLearning:**
 - *Assign Nano Objects to Consumers*
 - *Assign Nano Collections to Consumers*
 - *Filters such as SharePoint Group, and Job Titles can be used to add groups of users*

- **Manage Users:**
 - *Add Users and assign role(s)*
 - *Each user can have multiple user roles which will determine their access to portions of the product*
 - *Archive/Remove Users*
 - *Roles:*
 - *Consumer*
 - *Content Contributor*
 - *Manager*
 - *Report*
 - *User*
 - *Assignment*

- **Course Categories:** *Assign Nano Objects to categories to assist in filtering on Object and My NanoLearning pages (e.g. sales training, product training, ethics). Categories can be nested (sub-categories) and contain any number of Nano Objects.*

- **Reports:** *Graphical and grid reports provide visibility to consumer compliance and performance. Reports are exportable to multiple file types. Custom reports (.rdl, .rdlc, URL) can be added to provide additional visibility.*

- **Dashboard:** *Provides weekly and historical snapshot of activity in NanoLearn, such as objects created and viewed.*

- **Help:** *Editable help file assists Contributors and Managers in using the product*

- **My NanoLearning:** *Displays a list of Nano Objects that the Consumer has been assigned to. Consumers launch the content and validators from this Web Part*

- **Familiar interface and Single sign-on through SharePoint/Active Directory:** Web Parts match SharePoint look-and-feel to provide easy adoption of the product
- **Microsoft Lync Presence:** Use Lync to communicate with consumers on any user list
- **Windows Communication Foundation (WCF) and Web Services:** Connect NanoLearn with 3rd-party applications through APIs
- **Database Schema:** Documents the tables and fields used within the NanoLearn database