Database/Datastore Structures
The database will be implemented in mySql, the open source SQL standard. The schema has been provided to the team by Liang Cao and has been forwarded to the class through email. This schema has been provided to the class and other groups that will also be interacting with this database have made their appropriate changes and/or table adds. The database schema is now ready to be deployed to a database as soon as we have the required resource that has been requested through UNO.
Here is the schema, most up-to-date schema, showing tables we will be interacting with:

spdx_docs

Table comments: spdx_docs

Column	Type	Null	Default	Comments
id	int(11)	No		
spdx_version	varchar(255)	No		
data_license	varchar(255)	No		
upload_file_name	varchar(255)	No		
upload_content_type	varchar(255)	No		
upload_file_size	varchar(255)	No		
upload_updated_at	datetime	Yes	*NULL*	
document_comment	text	Yes	*NULL*	
created_at	datetime	No		
updated_at	datetime	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	0	A	No	

packages

Table comments: packages

Column	Type	Null	Default	Comments
id	int(11)	No		
package_name	varchar(255)	No		
package_file_name	varchar(255)	No		
package_download_location	varchar(255)	No		
package_copyright_text	text	No		
package_version	varchar(255)	No		
package_description	text	No		
package_summary	text	No		
package_originator	varchar(255)	No		
package_supplier	varchar(255)	No		
package_license_concluded	text	Yes	*NULL*	
package_license_declared	text	Yes	*NULL*	
package_checksum	varchar(255)	No		
checksum_algorithm	varchar(255)	No		
package_home_page	varchar(255)	No		
package_source_info	varchar(255)	No		
package_license_info_from_files	text	No		
package_license_comments	text	No		
package_verification_code	varchar(255)	No		
package_verification_code_excluded_file	varchar(255)	No		
created_at	datetime	No		
updated_at	datetime	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	0	A	No	

PRIMARY	BTREE	Yes	No	id	0	A	No	

package_files

Table comments: package_files

Column	Type	Null	Default	Comments
id	int(11)	No		
file_name	varchar(255)	No		
file_type	varchar(255)	No		
file_copyright_text	text	No		
artifact_of_project_name	varchar(255)	No		
artifact_of_project_homepage	varchar(255)	No		
artifact_of_project_uri	varchar(255)	No		
license_concluded	varchar(255)	No		
license_info_in_file	text	No		
file_checksum	varchar(255)	No		
file_checksum_algorithm	varchar(255)	No		
relative_path	varchar(255)	No		
license_comments	text	No		
file_notice	text	No		
file_contributor	text	No		
file_dependency	text	No		
file_comment	text	No		
created_at	datetime	No		
updated_at	datetime	Yes	*NULL*	

creators

Table comments: creators

Column	Type	Null	Default	Comments
id	int(11)	No		
generated_at	datetime	No		
createor_comments	text	No		
license_list_version	varchar(255)	No		
spdx_doc_id	int(11)	No		
creator	varchar(255)	No		
created_at	datetime	No		
updated_at	datetime	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	0	A	No	

doc_file_package_associations

Table comments: doc_file_package_associations

Column	Type	Null	Default	Comments
id	int(11)	No		
spdx_doc_id	int(11)	No		
package_id	int(11)	No		
package_file_id	int(11)	No		
created_at	datetime	No		
updated_at	datetime	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	0	A	No	

doc_license_associations

Table comments: doc_license_associations

Column	Type	Null	Default	Comments
id	int(11)	No		
spdx_doc_id	int(11)	No		
license_id	int(11)	No		
license_identifer	varchar(255)	No		
license_name	varchar(255)	No		
license_comments	text	No		
created_at	datetime	No		
updated_at	datetime	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	0	A	No	

license

Table comments: license

Column	Type	Null	Default	Comments
id	int(11)	No		
extracted_text	text	No		
license_name	varchar(255)	No		
osi_approved	varchar(255)	No		
standard_license_header	varchar(255)	No		
license_cross_reference	varchar(255)	No		
created_at	datetime	No		
updated_at	datetime	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	0	A	No	

licensings

Table comments: licensings

Column	Type	Null	Default	Comments
id	int(11)	No		
package_file_id	int(11)	No		
juncture	varchar(255)	No		
doc_license_association_id	int(11)	No		
created_at	datetime	No		
updated_at	datetime	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	id	0	A	No	