

IRepository<T>

Public Interface

```
LastModified { get; } : DateTime
CanQuery { get; } : Boolean
CanPersist { get; } : Boolean
Startup(state: ProgressState) : Void
CreateItem() : T
CountAllItems() : Int32
GetId(item: T) : RepositoryId
GetItem(id: RepositoryId) : T
DeleteItem(item: T) : Void
DeleteItem(id: RepositoryId) : Void
DeleteAllItems() : Void
GetAllItems() : RepositoryId[]
SaveItem(item: T) : Void
SaveItems(items: IEnumerable<T>) : Void
GetItemsMatching(query: Query) : ResultSet<T>
```

LexEntryRepository

Public Class

```
LastModified { get; } : DateTime
CanQuery { get; } : Boolean
CanPersist { get; } : Boolean
CreateItem() : LexEntry
CreateItem(eInfo: Extensible) : LexEntry
GetAllItems() : RepositoryId[]
CountAllItems() : Int32
GetId(item: LexEntry) : RepositoryId
GetItem(id: RepositoryId) : LexEntry
SaveItems(items: IEnumerable<LexEntry>) : Void
GetItemsMatching(query: Query) : ResultSet<LexEntry>
SaveItem(item: LexEntry) : Void
DeleteItem(item: LexEntry) : Void
DeleteItem(repositoryId: RepositoryId) : Void
DeleteAllItems() : Void
GetHomographNumber(entry: LexEntry, headwordWritingSystem: WritingSystem) : Int32
GetAllEntriesSortedByHeadword(writingSystem: WritingSystem) : ResultSet<LexEntry>
GetAllEntriesSortedByLexicalForm(writingSystem: WritingSystem) : ResultSet<LexEntry>
GetAllEntriesSortedByGloss(writingSystem: WritingSystem) : ResultSet<LexEntry>
GetAllEntriesSortedBySemanticDomain(fieldName: String) : ResultSet<LexEntry>
GetEntriesWithMatchingGlossSortedByLexicalForm(glossForm: LanguageForm, lexicalUnitWritingSystem: WritingSystem) : ResultSet<LexEntry>
GetLexEntryWithMatchingId(id: String) : LexEntry
GetLexEntryWithMatchingGuid(guid: Guid) : LexEntry
GetEntriesWithSimilarLexicalForm(lexicalForm: String, writingSystem: WritingSystem, matcherOptions: ApproximateMatcherOptions) : ResultSet<LexEntry>
GetEntriesWithMatchingLexicalForm(lexicalForm: String, writingSystem: WritingSystem) : ResultSet<LexEntry>
GetEntriesWithMissingFieldSortedByLexicalUnit(field: Field, lexicalUnitWritingSystem: WritingSystem) : ResultSet<LexEntry>
GetItemsModifiedSince(last: DateTime) : IList<RepositoryId>
Startup(state: ProgressState) : Void
LexEntryRepository(path: String)
LexEntryRepository(repository: IRepository<LexEntry>)
```

Backend... methods are work in progress and will be removed soon.

LiftRepository

Internal Class

```
CanPersist { get; } : Boolean
LiftDirectory { get; } : String
IsLiftFileLocked { get; } : Boolean
Startup(state: ProgressState) : Void
DeleteItem(id: RepositoryId) : Void
DeleteItem(item: LexEntry) : Void
SaveItem(item: LexEntry) : Void
SaveItems(items: IEnumerable<LexEntry>) : Void
Dispose() : Void
MergeIncrementFiles() : Boolean
LiftRepository(filePath: String)
```

SortDefinition

Public Class

```
Field { get; } : String
Comparer { get; } : IComparer
SortDefinition(field: String, comparer: IComparer)
```

Query

Public Class

```
TypeName { get; } : String
ResultProperties { get; } : List<KeyValuePair<String, MethodInfo>>
NestedQueries { get; } : List<Query>
GetResults(o: Object) : IEnumerable<Dictionary<String, Object>>
In(fieldName: String) : Query
ForEach(fieldName: String) : Query
Show(fieldName: String) : Query
Show(fieldName: String, label: String) : Query
ShowEach(fieldName: String) : Query
ShowEach(fieldName: String, label: String) : Query
ToString() : String
Query(root: Query, t: Type)
Query(t: Type)
```