

Annotation
+article_id: str = "0" +site_name: str = "localhost:3000" +slug: str = "article_detail" +abstract: str = " " +ontologies: list = [] +ontology: dict = { } +last_id: int = 1
get_source(self) get_creator(self) get_ontologies(self) create_annotation(self, article_id, abstract) find_keyword(self, text, label) create_annotation_header(self, idstamp) create_annotation_target(self, label, prefix, suffix) create_annotation_body(self, label) create_annotation_footer(self)

Bioontology
+owl_file: File +rdf_file: File
+__init__(self, owl_file, rdf_file) +start_iteration(self) +get_class_id(self, ontology_item) +get_parent_id(self, ontology_item) +get_label(self, ontology_item) +get_definition(self, ontology_item) +get_synonymous(self, ontology_item)

Ontology
+id: int +class_id: str +parent_id: str +label: str +definition: str +synonymous: list
+save(class_id, parent_ids, label, definition, synonymous)

Article
+id: int +abstract: text +authors: JSON +conclusions: text +copyrights: text +doi: char +copyrights: text +keywords: JSON +journal: text +publication_date: DateTime +pubmed_id: char +results: text +title: text
+search(query term) +dimensional_search(query term) +article_detail(pubmed_id=id)

User<Admin>
+id: int +date_joined:DateTime +password: char +username: char +email: char
+create(class_id, parent_ids, label, definition, synonymous)

System Overview

