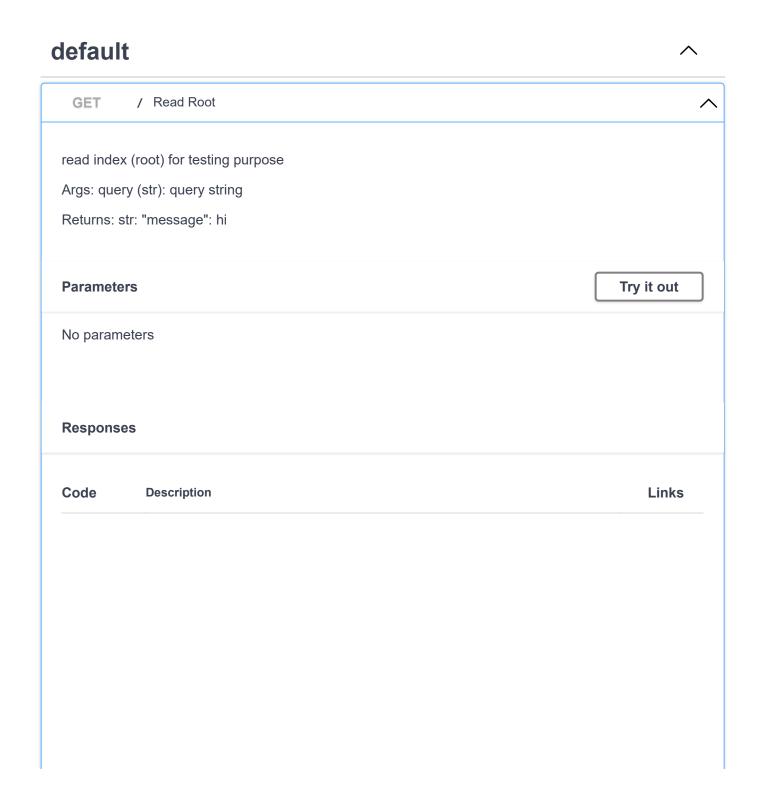
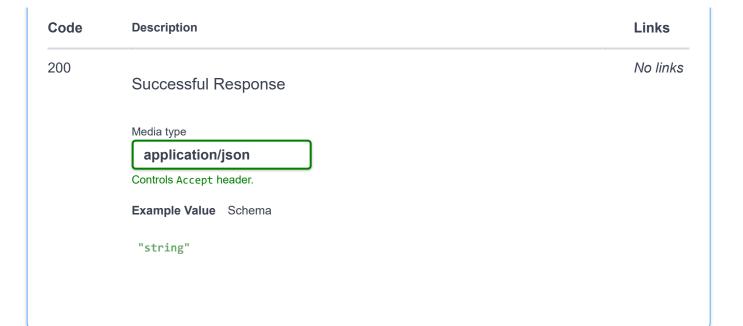
automatic Essay Grading and Pligarism check Models API 2.0.1 OAS3

/openapi.json

An API that use NLP models to return the plagiarism, grading result





POST /grading/predict Predict Grad

 \wedge

Predict the grading result

Args

answers: dict[str,str] dict of student ids and their answers first element is the model answer second etc... elements are the students answers

Returns

Dict[str,float] dict of studetns ids and their grades

example

```
>>> predict_grad("essays_dict":
>>> {"7821": "ahmed is eating a pizza",
>>> "156": "i go to school by bus",
>>> "3": "i am eating a pizza",
>>> "4": "ahmed is eating a pizza"}
>>> "grading_model": "automatic_keywords_grading")

"grades": {
    "156": 0.028096482157707214,
    "3": 0.45442324082056684,
    "4": 0.9999998410542806
    }
```

Parameters

Try it out

No parameters

Example Value Schema

```
{
  "essays_dict": {
    "additionalProp1": "string",
    "additionalProp2": "string",
    "additionalProp3": "string"
},
  "grading_model": "siamese_ner_grading",
  "cased": false
}
```

Responses

Code Description Links

200 No links

Successful Response

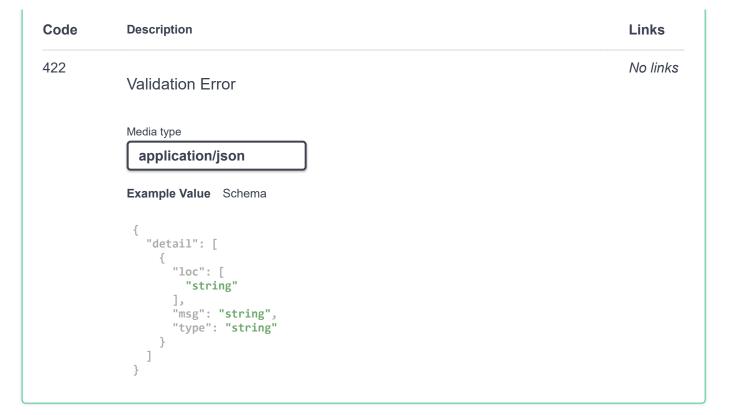
Media type

application/json

Controls Accept header.

Example Value Schema

```
{
   "grades": {
     "additionalProp1": 0,
     "additionalProp2": 0,
     "additionalProp3": 0
}
```



POST /plagiarism/predict Predict Plagiarism Predict the pligarism result Args essays_dict : dict[str,str] dict of student ids and their answers Returns dict[str,dict[str,float]] dict of cheating studetns ids and their probabilities of plagiarism with other students example predict_plagiarism('{1:"Hello World", 2:"Hello World"}, 3:"hi there"},cased: False') [{1: {2: 0.98}, 2: {1: 0.98}}] Try it out **Parameters** No parameters Request body required application/json Example Value Schema

```
{
    "essays_dict": {
        "additionalProp1": "string",
        "additionalProp2": "string",
        "additionalProp3": "string"
    },
    "cased": false
}
```

Responses

Code Description Links

200 No links

Successful Response

Media type

application/json

Controls Accept header.

Example Value Schema

```
"plagiarism_results": [
      "additionalProp1": {
        "additionalProp1": 0,
        "additionalProp2": 0,
        "additionalProp3": 0
      },
       "additionalProp2": {
        "additionalProp1": 0,
        "additionalProp2": 0,
        "additionalProp3": 0
      },
"additionalProp3": {
    'ditionalProp1":
        "additionalProp1": 0,
        "additionalProp2": 0,
        "additionalProp3": 0
  ]
}
```

Code Description Links

422 **Schemas** Validation Error

```
No links
```

```
ESSAYSDICT
                   {
   description:
                          ESSAYSDICT input model validation
                          Args: BaseModel : inherit from pydantic BaseModel to validate
                          the input
                          Attributes: essays_dict (dict): essays_dict contains dicts of
                          the student's answers and their ids grading_model (str):
                          grading_model grading model to use choose from
                          ["siamese_ner_grading", "keywords_grading",
                          "manual keywords grading" | cased (bool): cased strings grading
                          example: >>> "essays_dict": { >>> "1235dx": >>> "answer_1" >>>
                          "24463dxcf": >>> "answer 2" >>> } >>> "grading model":
                          "keywords grading" >>> "cased": False
   essays_dict*
                          Essays Dict
                                           {…}
   grading_model
                          string
                          title: Grading Model
                          default: siamese_ner_grading
   cased
                          boolean
                          title: Cased
                          default: false
}
GradingResponse
   description:
                          StudentsDict output model validation it's a json string contains
                          a List of Dictionaries of str [ids] : float [scores]
                          Args: BaseModel : inherit from pydantic BaseModel to validate
                          the output
                          Attributes: grades ([Dict[str, float]]): scores contains a list
                          of dicts of the student's grades and their ids
                          example: >>> "essays_dict": { >>> "1235dx": >>> "answer_1" >>>
                          "24463dxcf": >>> "answer_2" >>> }
                           >>> "grades":
                           >>>
                                    {
                                         "7818ert": 1,
                           >>>
                                         "4581rdc": 0.5,
                           >>>
                           >>>
                                    }
   grades*
                          Grades
                                    {...}
}
```

```
HTTPValidationError
   detail
                         Detail
                                   [...]
}
PlagiarismResponse
   description:
                         PlagiarismResponse output model validation it's a json string
                         contains a List of Dictionaries of str [ids] : float [scores]
                         Args: BaseModel : inherit from pydantic BaseModel to validate
                         the output
                         Attributes: List[ Dict[str, Dict[str,float]]] List of
                         Dictionaries of str [ids] : float [scores]
                          scores (List[Dict[str, float]]): scores
                               contains a list of dicts of the student's answers
                          and their ids
                         example: >>> "plagiarism_results": [ >>> {"1235dx": 0.9,
                          "24463dxcf": 0.8}, >>> {"1235dx": 0.8, "24463dxcf": 0.9} >>> ]
   plagiarism_results*
                         Plagiarism Results
                                                [...]
}
StudentsDict
                  {
   description:
                         StudentsDict input model validation
                         Args: BaseModel : inherit from pydantic BaseModel to validate
                         the input
                         Attributes: essays_dict (dict): essays_dict contains dicts of
                         the student's answers and their ids cased (bool): cased strings
                         grading or not
                         example: >>> "essays_dict": { >>> "1235dx": >>> "answer_1" >>>
                         "24463dxcf": >>> "answer 2" >>> } >>> "cased": False
   essays_dict*
                         Essays Dict
                                          {...}
                         boolean
   cased
                         title: Cased
                         default: false
}
```