EvaP Data Representation Analysis

# Information

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# Introduction

This document outlines how data is represented in EvaP. EvaP is a course evaluation system built in Django. Django handles database representation using models, a way of defining database tables in python code. In addition, some models contain the same data but in different languages. For example, in the model “GradeDocument” there is an attribute named “description\_de” and “description\_en.” Both attributes provide the same short description of the grade document, however, attribute “description\_de” provides the description in Germany and attribute “description\_en” provides the description in English. Essentially, all the attributes ending with “\_de” are translated to Germany and all the attributes ending with “\_en” are translated to English.

# Rewards

Rewards contains 4 models: **RewardPointRedemptionEvent, RewardPointGranting, RewardPointRedemption, SemesterActivation**

## RewardPointRedemptionEvent

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| name | CharField |
| date | DateField |
| redeem\_end\_date | DateField |

## RewardPointGranting

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| user\_profile | ForeignKey |
| semester | ForeignKey |
| granting\_time | DateTimeField |
| value | IntegerField |

## RewardPointRedemption

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| user\_profile | ForeignKey |
| redemption\_time | DateTimeField |
| value | IntegerField |
| event | ForeignKey |

## SemesterActivation

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| semester | OneToOneField |
| is\_active | BooleanField |

# Grades

Grades contains 1 model: **GradeDocument**

## GradeDocument

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| course | ForeignKey |
| file | FileField |
| type | CharField |
| description\_de | CharField |
| description\_en | CharField |
| last\_modified\_time | DateTimeField |
| last\_modified\_user | ForeignKey |

# Student

Student has 1 model: **TextAnswerWarning**

## TextAnswerWarning

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| warning\_text\_de | CharField |
| warning\_text\_en | CharField |
| trigger\_strings | ArrayField |
| order | IntegerField |

# Evaluation

Evaluation has 9 models: **Semester, Questionnaire, Degree, CourseType, Question, Answer, FaqSection, FaqQuestion, and EmailTemplate**.

## Semester

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| name\_de | CharField |
| name\_en | CharField |
| short\_name\_de | CharField |
| short\_name\_en | CharField |
| participations\_are\_archived | BooleanField |
| grade\_documents\_are\_deleted | BooleanField |
| results\_are\_archived | BooleanField |
| created\_at | DateField |
| is\_active | BooleanField |

## Questionnaire

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| type | IntegerField |
| name\_de | CharField |
| name\_en | CharField |
| description\_de | TextField |
| description\_en | TextField |
| public\_name\_de | CharField |
| public\_name\_en | CharField |
| teaser\_de | TextField |
| teaser\_en | TextField |
| order | IntegerField |
| visibility | IntegerField |
| is\_locked | BooleanField |

## Degree

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| name\_de | CharField |
| name\_en | CharField |
| import\_names | ArrayField |
| order | IntegerField |

## CourseType

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| name\_de | CharField |
| name\_en | CharField |
| import\_names | ArrayField |
| order | IntegerField |

## Question

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| order | IntegerField |
| questionnaire | ForeignKey |
| name\_de | CharField |
| name\_en | CharField |
| allows\_additional\_textanswers | BooleanField |
| type | PositiveSmallIntegerField |

## Answer

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| id | UUIDField |
| question | ForeignKey |
| contribution | ForeignKey |

## FaqSection

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| order | IntegerField |
| title\_de | CharField |
| title\_en | CharField |

## FaqQuestion

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| section | ForeignKey |
| order | IntegerField |
| question\_de | CharField |
| question\_en | CharField |
| answer\_de | TextField |
| answer\_en | TextField |

## EmailTemplate

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Type** |
| name | CharField |
| subject | CharField |
| plain\_content | TextField |
| html\_content | TextField |
| Recipients | TextChoices |