Student

-String contact
-String school
-String district
-String stream
-Double zScore
-OLResults olResults
-ALResults alResults
-String university
-String course
-Double gpa
-StudentProfile profile
-List<CareerPrediction> predictions

+OLResults getOLResults()
+ALResults getALResults()
+Double getZScore()
+StudentProfile getProfile()
+List<CareerPrediction> getPrediction
+void addPrediction(CareerPrediction

OLResults

-Map<String, String> results

+void addResult(String subject, String grade)
+void removeResult(String subject)
+Map<String, String> getResults()
+boolean validateResults(Map<String, String> results)

ALResults

-Map<String, String> results

+void addResult(String subject, String grade)
+void removeResult(String subject)
+Map<String, String> getResults()
+boolean validateResults(Map<String, String> results)

StudentProfile

-List<String> interests
-List<String> skills
-List<String> strengths

+void addInterest(String interest)
+void addSkill(String skill)
+void addStrength(String strength)
+List<String> getInterests()
+List<String> getSkills()
+List<String> getStrengths()

interested in

C

-UUID id
-String name
-String description
-String duration
-MinimumGrades minimum
-Double minimumZScore
-List<Institution> offer
-RelatedCareers relate

+Double getMinimumZSc
+List<Institution> getC
+MinimumGrades getMini
+RelatedCareers getRe
+void addInstitution(I
+void removeInstituti

leads to

Career

-String code
-String title
-String description
-String category
-RequiredSkills requiredSkills
-RelatedCourses relatedCourses
-ExternalLinks externalLinks

+String getCode()
+RequiredSkills getRequiredSkills()
+RelatedCourses getRelatedCourses()
+ExternalLinks getExternalLinks()

RelatedCa

-List<String> caree

+void addCareer(S
+void removeCaree
+List<String> getCa

RequiredSkills

-List<String> skills

+void addSkill(String skill)
+void removeSkill(String skill)
+List<String> getSkills()

RelatedCourses

-List<String> courses

+void addCourse(String course)
+void removeCourse(String course)
+List<String> getCourses()

Exter

-Map<String, String> lir

+void addLink(String na
+void removeLink(String
+Map<String, String> ge
+boolean validateLinks(

User (abstract)

```
User
#UUID id
#String name
#String email
#String password
#String role
+UUID getId()
+String getName()
+String getEmail()
+String getRole()
+void setName(String name)
+void setEmail(String email)
+void setPassword(String password)
+void setRole(String role)
+boolean validatePassword(String inputPassword)
```

studies at

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```
CareerPrediction
-String careerPath
-Double probability
-LocalDateTime predictedAt
+Double getProbability()
+LocalDateTime getPredictedAt()
+void setCareerPath(String careerPath)
+void setProbability(Double probability)
+boolean validateProbability(Double probability)
```

```
Institution
-String type
-String website
-String location
-ContactInfo contactInfo
-List<Course> courses
+List<Course> getCourses()
+String getType()
+ContactInfo getContactInfo()
+void addCourse(Course course)
+void removeCourse(Course course)
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Grades

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areers()
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```
MinimumGrades
-Map<String, String> grades
+void addGrade(String subject, String grade)
+void removeGrade(String subject)
+Map<String, String> getGrades()
+boolean validateGrades(Map<String, String> grades)
```

```
nalLinks

nks

ame, String url)
name)
etLinks()
(Map<String, String> links)
```