

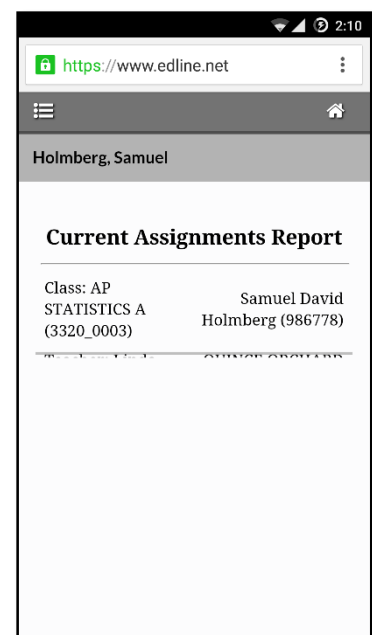
Edline API

Fact: There is no official Edline App for Android. There is also no Java support for Edline.

Edline is the system by Blackboard Inc. that Montgomery County uses to connect a teacher's gradebook to a student, and their parent. Teachers can make files available to their classes, and students can view their current assignment reports for every class they are enrolled in.

All current Android applications for Edline mirror the mobile website of Edline. They emulate a web browser to show the mobile website of Edline.

The mobile website for Edline *tries* to support mobile devices, but it has a CSS error when you try to view your grades, so you have to rotate the screen in order for the iframe to present itself correctly.



*screenshot from my Android

WHY HASN'T ANYONE ADDRESSED THIS PROBLEM YET?

My API

My API connects to Edline through a Java library, and pulls everything you'd need (grade wise) out of it. I was going to build an Android app for it, but I never found the time. Hopefully, somebody else will find it useful in making an app themselves.

When it gets large enough, I will publish a Javadoc wiki for it. But for now, it's very basic, and only reads grade reports. Simple enough for an Edline app to utilize it.

edline-api

Java <http://www.edline.net> Parser, and API

<https://github.com/Esaych/edline-api>

Quick Start:

Get all course names:

```
ArrayList<Course> courses = Edline.load(username, password);
```

or to get a specific course:

```
Edline.load(username, password);  
Course course = Edline.getCourse(courseName);
```

for every course in that list you may:

```
myCourse.getCourseName(); //get name of found course  
myCourse.getLink(); //get Edline link to that webpage  
myCourse.getTeacher(); //get name of teacher  
Grades grades = myCourse.getGrades(); //get current grade report of the class
```

for every grades report you may:

```
grades.overallGrade(); //get the grade you currently have in the class  
ArrayList<Category> categories = grades.getCategories(); //ex: formative, summative, practice/prep  
ArrayList<Assignment> assignments = grades.getAssignments(); //ex: Unit 1A TEST
```

for every category you may:

```
category.toString(); //retrieve string val of category  
call any of these vars: //ex: category.name;  
String name;  
int weight;  
double pts;  
double max;  
double percent;  
double accpercent; //(calculated percentage aside from rounded online value)
```

for every assignment you may:

```
assignment.toString(); //retrieve string val of assignment  
call any of these vars: //ex: assignment.name;  
String name;  
String due;  
String category;  
double weight;  
double grade;  
double max;  
char letter;
```

Example Code:

```
ArrayList<Course> courses = load("myUsername", "myPassword");  
for (Course c : courses)  
    if (c.getGrades() != null)  
        c.getGrades().toString();
```