Requirements Analysis

Byron Doyal

**Users:**

* **Students**
* **Teachers**
* **Admin**

**User Requirements:**

**Student:**

* Should be able to submit assignments
* Check grade on assignment
* View assignment instructions
* Have login and password that permits only student activity

**Teachers:**

* View submitted assignments
* Grade assignments
* Post assignment instructions
* Add and remove assignments
* Special login that permits teacher level excess

**Admin:**

* Assign excess levels to users (student or teacher)
* Remove students from teachers’ class
* Add a teacher to a class

**Activity Relevant data and Constraints**

**Students:**

1. **Submit assignment**

* **Relevant Data:** class data, assignment data
* **Constraints:** System needs to verify file type to make sure it is correct

1. **Check Grade of Assignment**

* **Relevant Data:** class data, assignment data
* **Constraints:** System should verify if assignment is completed

1. **View Assignment Instructions**

* **Relevant Data:** Class data, assignment data
* **Constraints:** System should make sure the file is meant to be viewed by the teacher

1. **Login**

* **Relevant Data:** Student data, system data
* **Constraints:** Make sure the students login matches with the systems saved information

**Teachers:**

1. **View Submitted Assignments**

* **Relevant Data:** Class data, Assignment data, student data
* **Constraints:** System must check if user is a teacher

1. **Grade Assignments**

* **Relevant Data:** Assignment Data, Student Data
* **Constraints:** User must be a teacher

1. **Post Assignment Instructions**

* **Relevant Data:** Assignment Data, Class Data
* **Constraints:** User must be a teacher

1. **Add/Remove Assignments**

* **Relevant Data:** Class data
* **Constraints:** User must be a teacher and assignment must exist

1. **Login**

* **Relevant Data:** System data, teacher data
* **Constraints:** Admin must give authorization of teacher

**Admin:**

1. **Assign excess levels**

* **Relevant Data:** System data
* **Constraints:** Admin can only assign either teacher, student, or admin. Cannot be multiple

1. **Remove User from class**

* **Relevant data:** Class data
* **Constraints:** All classes must have at least one teacher and one student

1. **Add user to class**

* **Relevant Data:** Class data, System data
* **Constraints:** User must already be assigned to class

**System Requirements:**

1. **Database to hold users and assignments**
2. **Server to host the webpage**
3. **Html and javascript support**