



# Intelligent Tutoring System Weekly Slides # 1

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# Our Team



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# Summary of this week



## Project Description

Confirm project aim and Objectives

## Team Administration

Team management tasks and collaboration tools

## Initial Ideas

Some simple ideas for the project plan

# Project Description

## 1 Name

Intelligent Tutoring System

## 2 Aim

Create an intelligent tutoring system that offers personalized, adaptive learning experiences to students.

## 3 Objectives

This system will utilize an OpenAI model to generate feedback, track progress, and offer recommendations for learning improvement. It will support multi-format content, offer a user-friendly interface, and ensure data security and privacy, all while using a cloud-based architecture on Azure services.



# Team Administration

**1 Project Management Tool :**

Trello

**2 Source Code Management:**

Github

**3 Shared Workspaces:**

Microsoft Teams

**4 CI/CD:**

Azure DevOps

# Initial Ideas

1

## Functional Requirements

1. User Registration and Login
2. Profile Management
3. Adaptive Learning Environment
4. AI-Powered Feedback System
5. Progress Tracking and Visualization
6. Multimodal Content Delivery

2

## Non-functional Requirements

1. Responsive Web-based Interface
2. Cloud-Based Architecture
3. Auto-Scaling
4. Data Security and Privacy
5. Modular, Extensible, and Maintainable Design

3

## Technology Stack

1. Front-end: HTML, CSS, JavaScript (React.js or Angular.js)
2. Back-end : java, Python
3. AI/ML: OpenAI models
4. Database: Mysql ,Azure Cosmos DB
5. Cloud : Azure

# Next Week plan



## Project Plan

- Task: Finish Project Plan
- Due Time : 11 June



## Document and materials

- Task: Search and read relevant documents and information
- Due Time : 10 June

```
//is the element inside the visible window?
var a = w.getBoundingClientRect();
var b = w.scrollLeft();
var o = t.offsetTop;
var x = o.left;
var y = o.top;

var ax = settings.accx;
var ay = settings.accy;
var th = t.height();
var tw = t.width();
var ww = w.innerWidth();

if (y + th + ay >= b &&
    y <= b + wh + ay &&
    x + tw + ax >= a &&
    x <= a + ww + ax) {
    //trigger the custom event
    if (!t.appeared) t.trigger('appear', settings.data);
} else {
    //if scrolled out of view
    t.appeared = false;
}
};

//create a modified fn with some additional logic
var modifiedFn = function() {
    //mark the element as visible
    t.appeared = true;
    //is this supposed to happen only once?
    //if (settings.once) {
        //remove the check
        //unifil_scroll();
        //fn.appear.check();
    //}
};

//if scroll
if (scroll) {
    check();
}
```

## Familiarisation with Team Administration

- Learning and practising the use of team administration tools and setting up the relevant environment
- Due Time : 12 June



THANK YOU