

**Q1- Part 1 (a):**

**Application description:**

**Microsoft Teams**

The main goal of the application is built for work in teams and stay organised and connected. Allowing teams to work together, make creative decisions, and communicate with one another. This has also become essential during the pandemic as universities have switched to online learning and a platform was needed to continue education across the world. Even today living with the coronavirus universities like Cardiff University have switched to a mixture of online and in-person heavily relying on applications like Microsoft Teams. This can also be applied to workplaces as the Teams application can be used as channels for different departments of large corporations. A lot of companies switching to more remote working has also caused a reliance on applications like Microsoft teams for communication between colleagues and meetings.



Name: Leila Ali

Age: 19

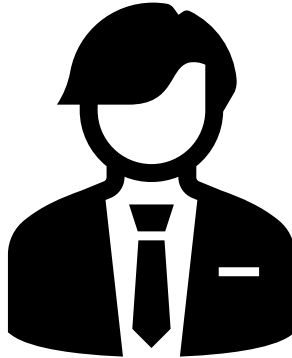
Sex: Female

Occupation: Student.

Leila is a student who is in her first year of university. Unfortunately due to the pandemic, her university has closed and she needs a way to attend lectures and not miss out on her learning. As a part of her degree, she also has to work on group projects and easy working and social communication tools are needed to help allow her to connect with colleagues.

Goals:

- Attend lectures online and see what the lecturer is doing clearly.
- Communicate with the lecturer during these lectures.
- Work on group projects as a part of her course.
- Be able to direct message people on the course including lecturers.
- Be able to see lectures on a calendar on the application so she knows when to attend.



Name: James Brown

Age: 50

Sex: Male

Occupation: Lecturer

James is a lecturer at a university that has now decided to apply online learning to its syllabus. He needs a way to complete his lectures online to ensure that the students are up to date with the course. He also needs a direct messaging service to communicate with students and groups when doing group work.

Goals:

- A platform to conduct lectures online and see students from home.
- Communicate with students when needed during office hours.
- Join group calls if any support is needed for any assignments.

**b)**

### **Use Case 1: Watch online lectures.**

#### **Description:**

Student is able to use the work and social communication application to view the lectures and interact with them.

#### **Start condition:**

The student has downloaded the application onto their from the appropriate website.

#### **Basic Flow:**

1. Open the application on the laptop.
2. Application opens to log in page.
3. Type in email and password as given by the university.
4. Application will open up to the main homepage showing different tabs.
5. Select the tab titled "Teams"
6. Click on the appropriate module.
7. Application will open to a page with general chat which will show a dark purple box highlighting "New Channel meeting".
8. Select the purple "Join" button to start watching the lecture live.

#### **Alternative Flow:**

1. The pupil selects the incorrect module by mistake and will then not see the live lecture. The back button can be pressed to return to the previous screen.
2. The pupil types in the wrong email/password, this will make the application open up the login page again. The student will not be able to access the lecture until the correct login details are used.

## **User case 2 – Use calendar to see when lectures are live:**

### **Description:**

The student uses the work and social communication application to view the calendar and see when the next lectures are scheduled for.

### **Start condition:**

The student has downloaded the application onto the laptop from the appropriate website.

### **Basic Flow:**

1. Open the application on the laptop.
2. Application opens to log in page.
3. Type in email and password as given by the university.
4. Application will open up to the main homepage showing different tabs.
5. Select the “Calendar” tab.
6. Application will open up to Calendar page which should have dates and lecture timetable.
7. Adjust the arrows depending on what week/date you are looking at.

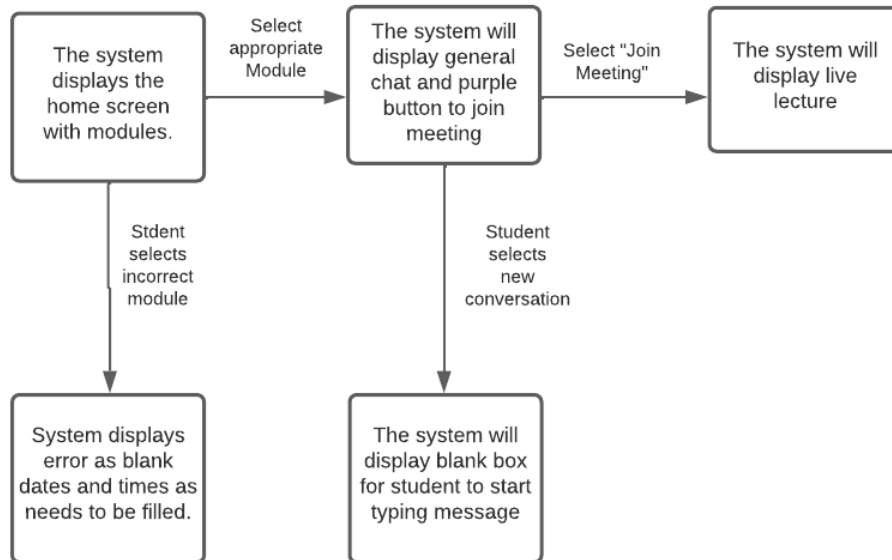
### **Alternative Flow:**

1. If the lecturer/student has not put the lectures on the calendar they will not be able to see the timetabled lectures on Teams.
2. If the student selects the wrong tab by accident e.g. Files tab this will open up all files that have been shared.

c)

## State Transition Network:

### User Case 1:



### User Case 2:

