

STUDENT JOURNAL & WORKSHEET

Grade 7 ICT • Recent Technological Advances

Name: _____

Class: _____

Date: _____

Team: _____

A. Mission Brief

You are a Junior Digital Experience Designer. Your team must improve a UAE digital service so it is faster, easier to read, more helpful, and easier to communicate through.

Which matters most to you at first? Fast sign-in / readable screen / automatic settings / communication. Why?

B. Notice & Wonder

I NOTICE	I WONDER
1. _____	1. _____
2. _____	2. _____

C. Evidence Investigation

Read the four teacher evidence cards. Record what you discover.

Evidence	User need / input	What happens?	Benefit
A - Smart Gate	_____	_____	_____
B - Reading Screen	_____	_____	_____
C - Auto Brightness	_____	_____	_____
D - Update Feed	_____	_____	_____

D. Biometric Recognition

Biometric recognition is used to...

Circle examples: Fingerprint | Password | Facial recognition | Retina/iris scan | Username

Why can biometrics be useful for authentication?

E. Customizable Interface

A customizable interface allows the user to...

Write two font properties a user could change: 1. _____ 2. _____

How can changing font size or style help a user?

F. Automatic Adjustments

Complete: An automatic adjustment happens when...

Example	Condition / input	Automatic action
Phone brightness		
Phone volume		
Air conditioner		

G. Social Media

In your own words, social media allows people to...

What is one benefit of a feed or online community for a digital service?

H. Compare the Four Technologies

Technology	Main purpose	User controls it?	Example
Biometric recognition			
Customizable interface			
Automatic adjustment			
Social media			

I. Main Challenge - Smart Digital Service

Who will use our service?

What problem are we solving?

Technology 1 we will include + why:

Technology 2 we will include + why:

Technology 3 we will include + why:

How will we make the interface easy for different users?

What feature will adjust automatically? What condition triggers it?

J. 5-Slide Presentation Planner

Slide 1 - User Problem — Who needs the service and what needs improvement?

Notes:

Slide 2 - Identity & Access — How will users sign in or be authenticated?

Notes:

Slide 3 - Interface & Automatic Features — What can users customize? What changes automatically?

Notes:

Slide 4 - Communication / Social Feature — How will users receive, create, or share useful information?

Notes:

Slide 5 - Final Recommendation — What should the service include and why?

Notes:

K. Success Criteria

☐ I explained biometric recognition.

- ☐ I explained a customizable interface.
- ☐ I explained an automatic adjustment and its trigger.
- ☐ I explained the purpose of social media.
- ☐ I used at least three lesson technologies in my design.
- ☐ I gave a clear recommendation and reasons.

L. Exit Ticket

1. Give one example of biometric recognition.

2. What is the difference between customization and automatic adjustment?

3. Give one automatic adjustment and its trigger.

4. What does social media allow people to do?

5. Which technology from today's lesson would improve a school digital service most? Why?