Empowering Education Through Innovation in Morocco

Our team is composed of

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Problem Statement

1) Problem

Low-quality education is a widespread issue impacting millions, especially in low- and middle-income countries like Morocco.

2) GCGO

Education

3) Why It Matters

Quality education is a fundamental right, crucial for individual empowerment, societal progress, and achieving global education goals.

Personal Impact: Ikram's Story

Meet Ikram, a Moroccan student facing challenges due to limited resources, outdated materials, and overcrowded classrooms, hindering her academic potential and future opportunities.
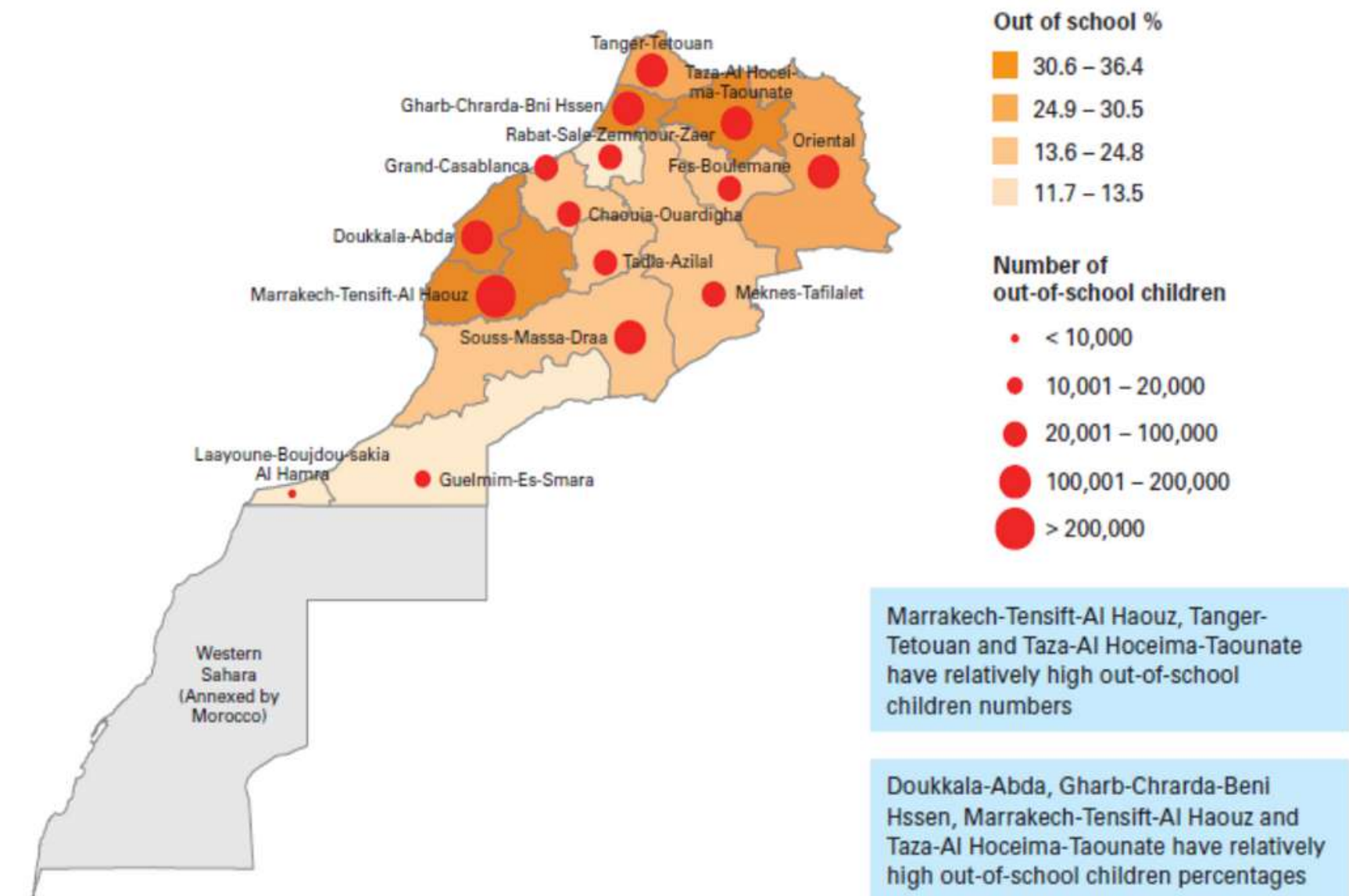
Out-of-School Children in Morocco

Data 1 & Analysis

This map highlights over 600,000 out-of-school children in Morocco, with higher percentages in rural and less developed regions. For instance, in Marrakech-Tensift- Al Haouz and Taza-Al Hoceima-Taounate, over 30% of children are out of school.

Source: https://www.unicef.org/mena/reports/out-school-children-morocco

Out-of-school children (Dimensions 2 and 3) by region[7]

Out of school %
- 30.6 – 36.4
- 24.9 – 30.5
- 13.6 – 24.8
- 11.7 – 13.5

Number of out-of-school children
- < 10,000
- 10,001 – 20,000
- 20,001 – 100,000
- 100,001 – 200,000
- > 200,000

Marrakech-Tensift-Al Haouz, Tanger-Tetouan and Taza-Al Hoceima-Taounate have relatively high out-of-school children numbers

Doukkala-Abda, Gharb-Chrarda-Beni Hssen, Marrakech-Tensift-Al Haouz and Taza-Al Hoceima-Taounate have relatively high out-of-school children percentages
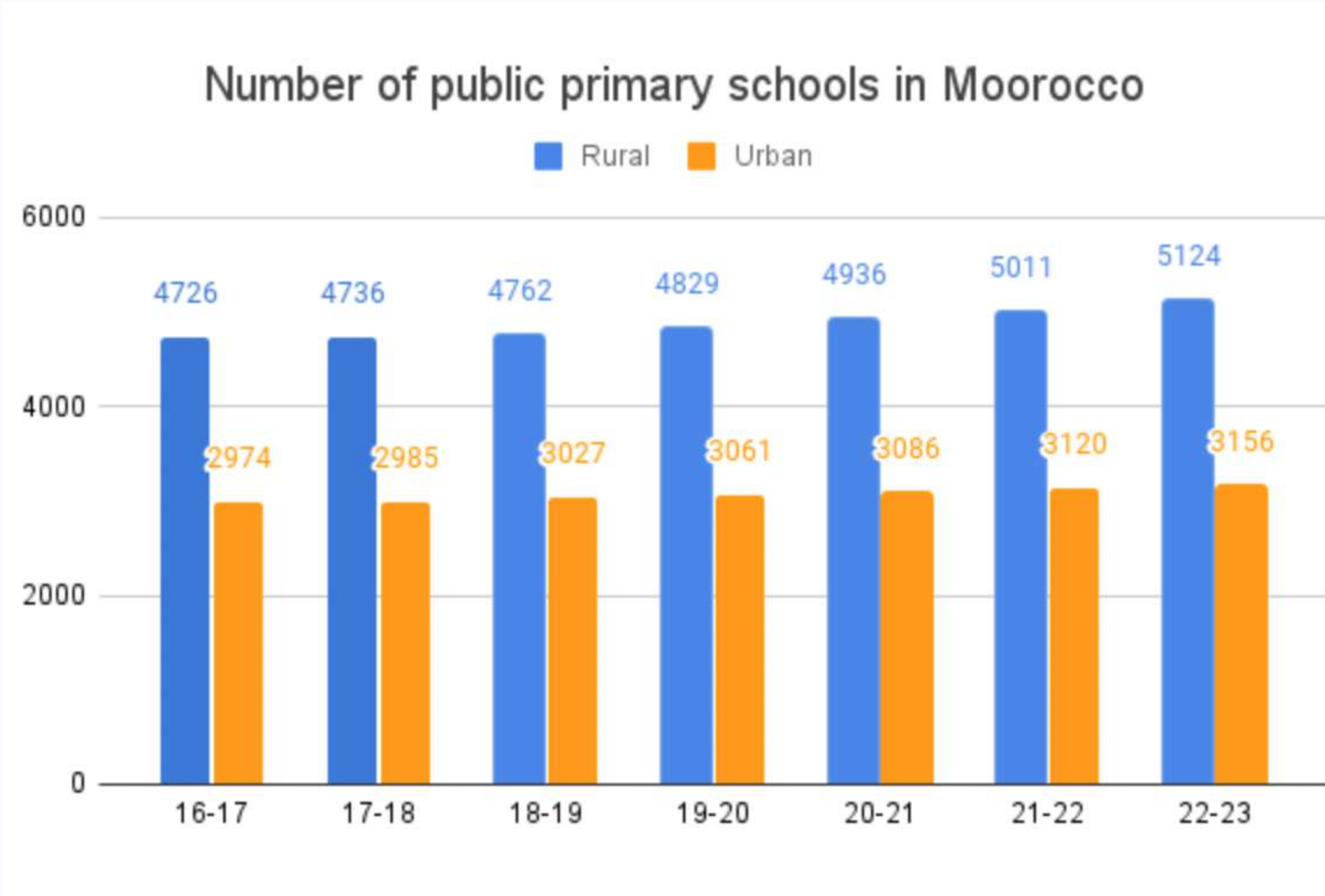
Public Primary Schools in Morocco

Data 2 & Analysis

The table shows that the number of public primary schools in Morocco has increased from 4726 in 2016–17 to 5124 in 2022–23, representing an increase of 8.5%. The number of public primary schools in urban areas has increased from 2974 in 2016–17 to 3156 in 2022–23, representing an increase of 6.1%. The number of public primary schools in rural areas has increased from 1752 in 2016–17 to 1968 in 2022–23, representing an increase of 12.4%.
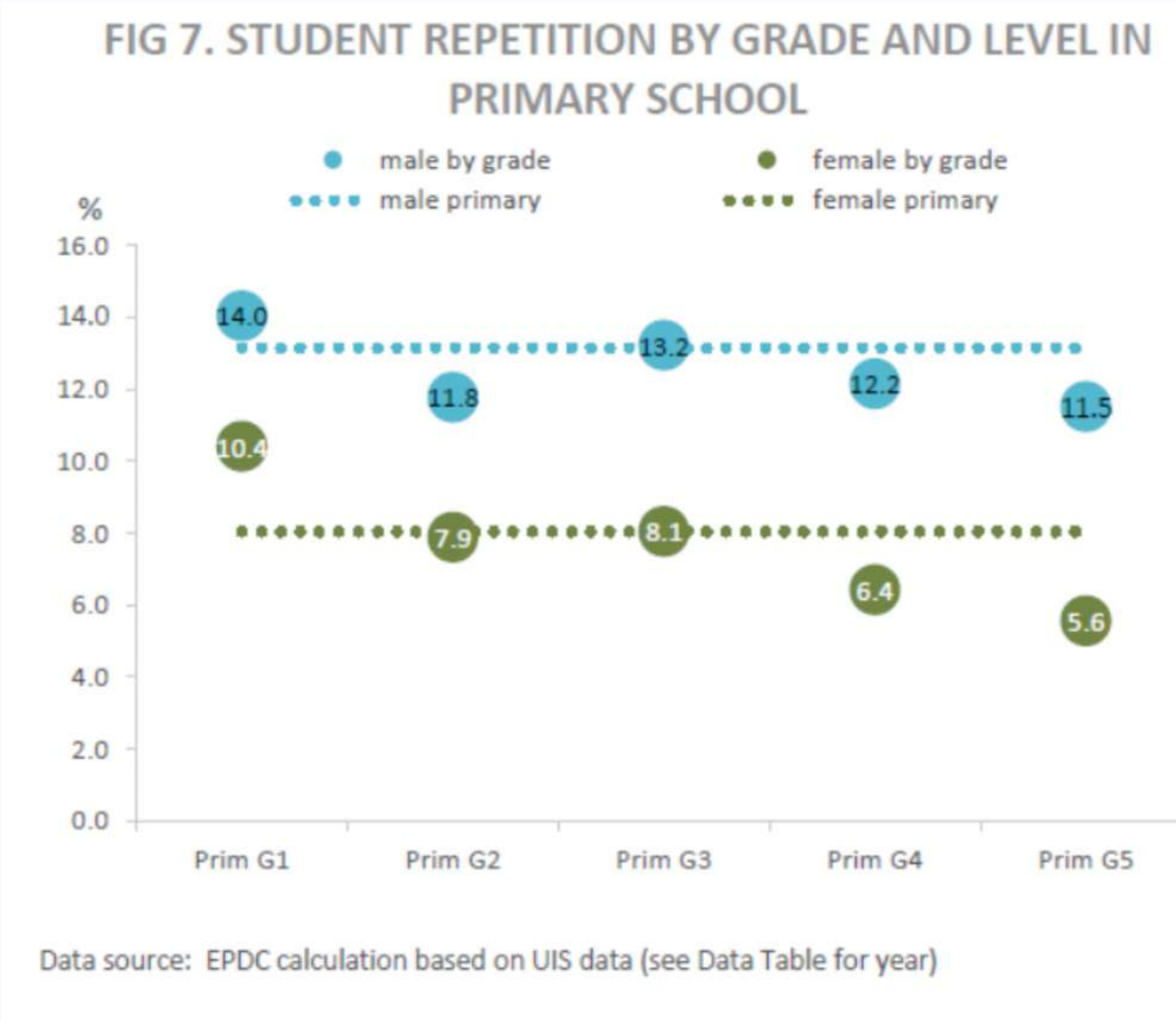
Source: https://www.unicef.org/mena/reports/out-school-children-morocco

Number of public primary schools in Moorocco

Legend: ■ Rural ■ Urban

Year	Rural	Urban
16-17	4726	2974
17-18	4736	2985
18-19	4762	3027
19-20	4829	3061
20-21	4936	3086
21-22	5011	3120
22-23	5124	3156

Repetition Rate in Primary Education

Data 3 & Analysis

This figure displays the repetition rate in primary education, showing the specific grades in which students are more likely to repeat. It suggests that of the first 5 grades of primary in Morocco, students are more likely to repeat grade 1. The repetition rate in grade 1 is 12.3% (for both males and females), which is 1.6 points higher than the average repetition rate across primary grades of 10.7%.

FIG 7. STUDENT REPETITION BY GRADE AND LEVEL IN PRIMARY SCHOOL

- male by grade
- male primary
- female by grade
- female primary

Data source: EPDC calculation based on UIS data (see Data Table for year)

Solution: Innovative Education App

Solution Description

Our app tracks student progress, facilitates parental monitoring, and fosters direct communication between professors and students.
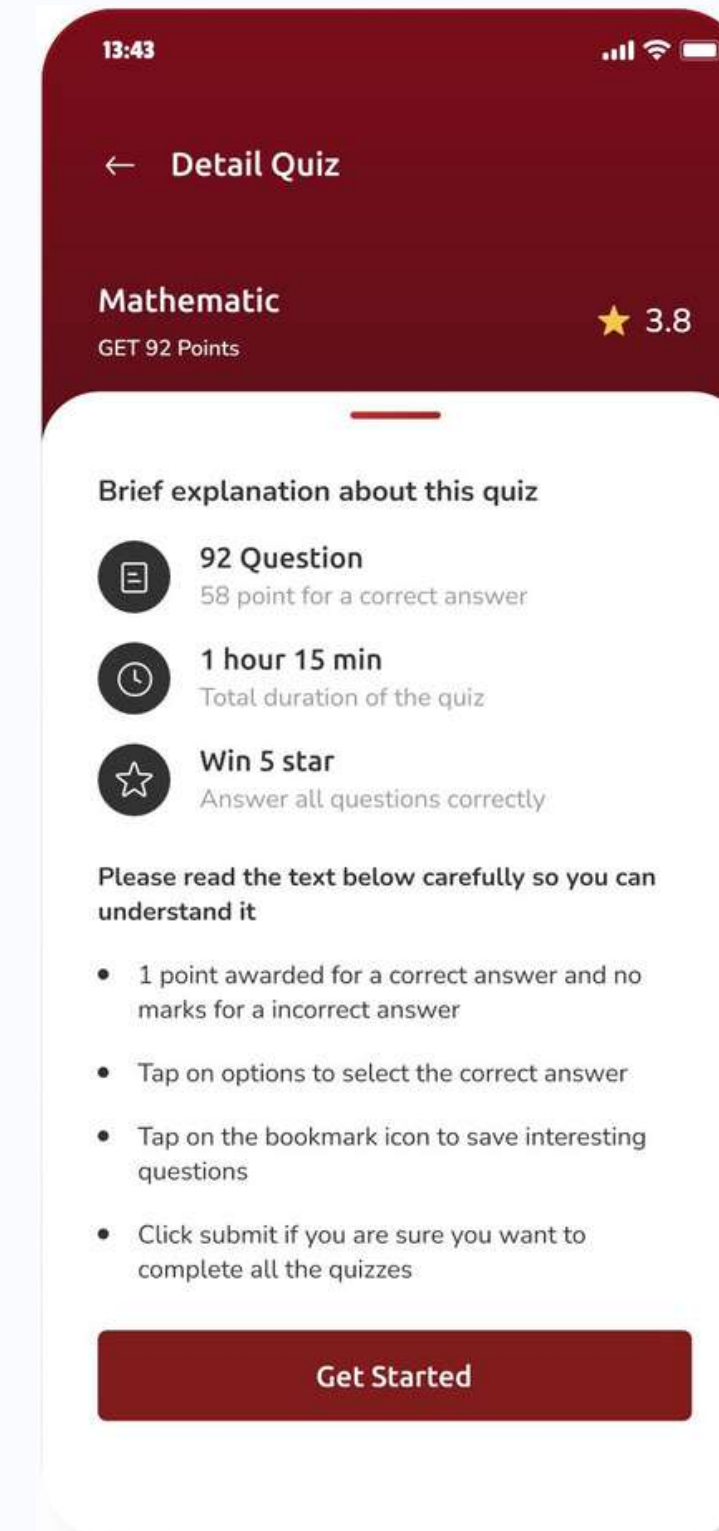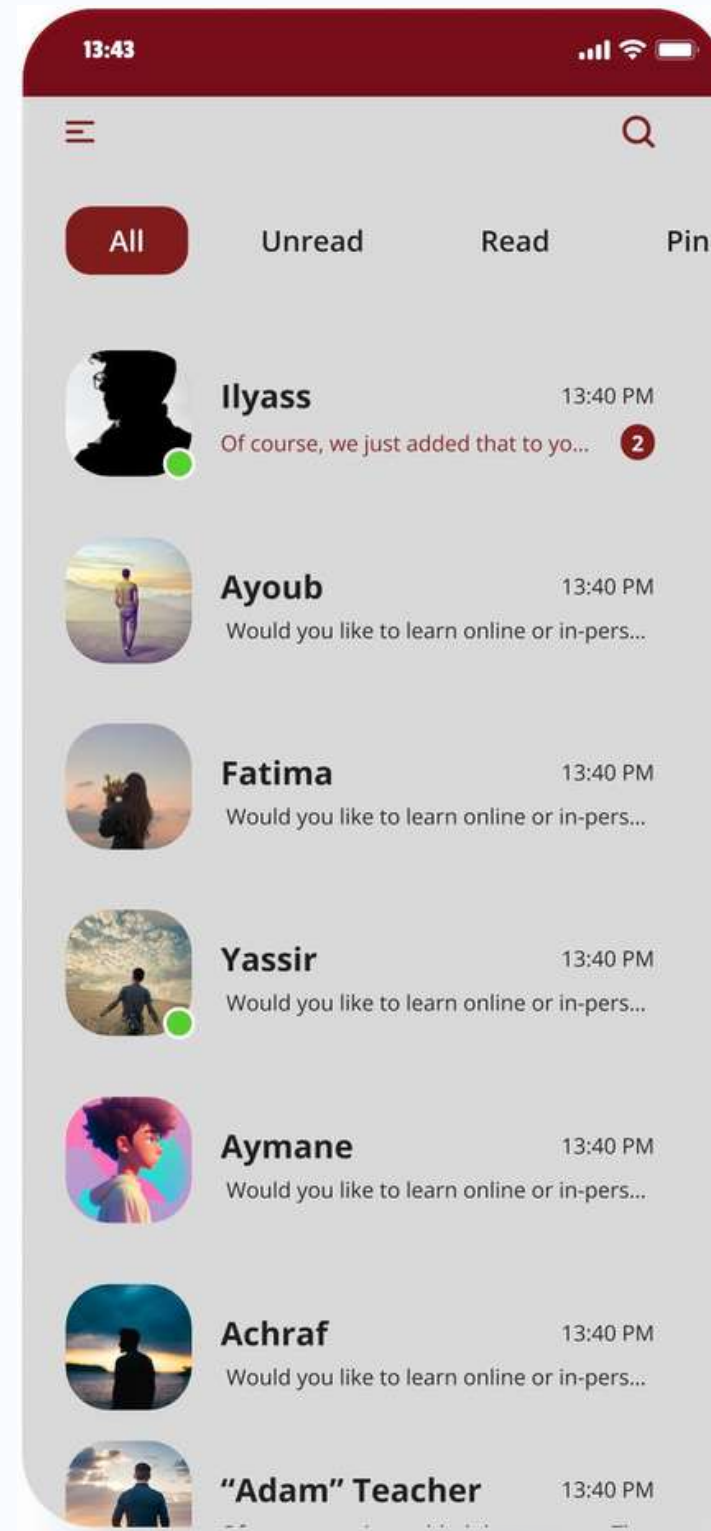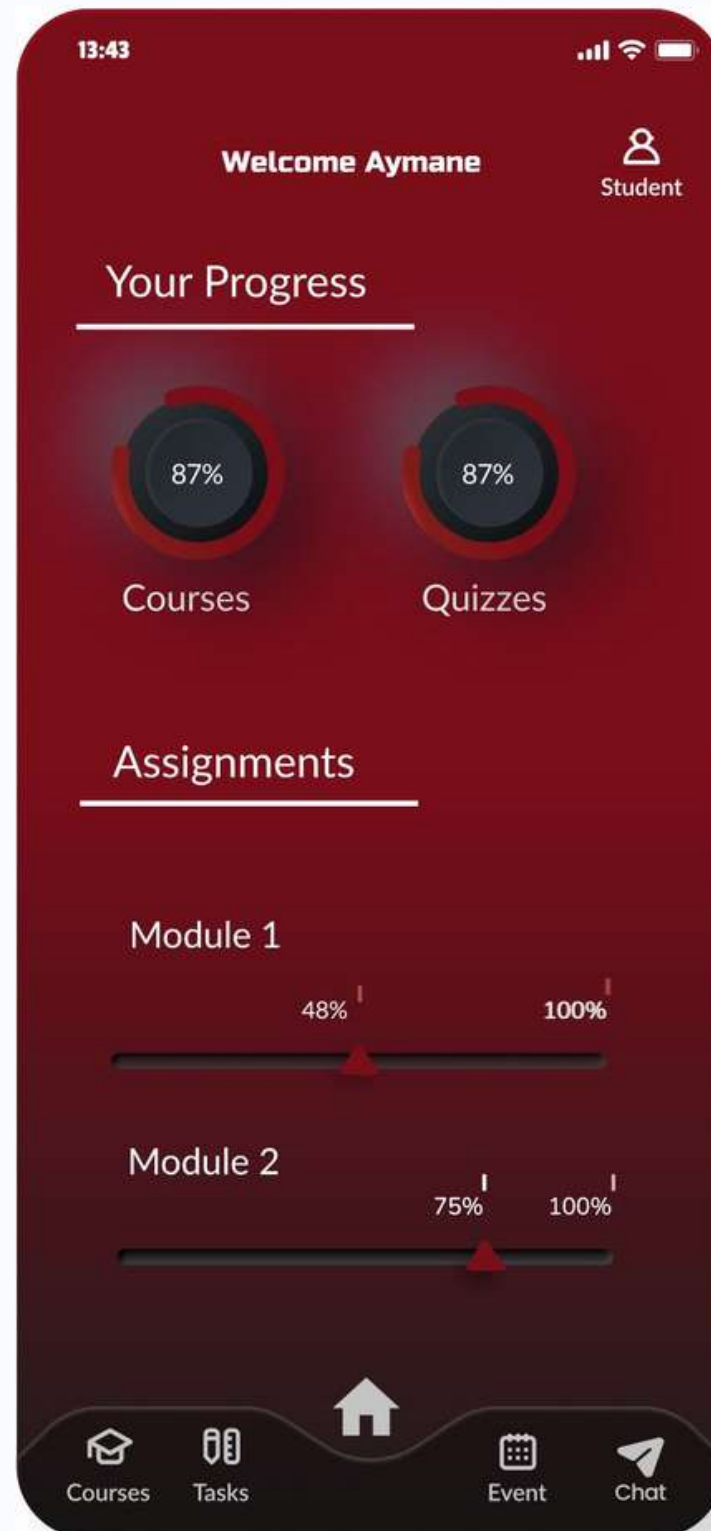
Why This Solution

Addressing communication barriers and providing comprehensive academic coverage positions our app as a preventative measure against dropouts.

Effectiveness Prediction

Comprehensive academic coverage, free accessibility, and a customized user experience push us to believe in the likelihood of success in mitigating dropouts.

Wireframes: Solution Visualization

Pain Points & Resolutions

Pain Point 1: Accessing Extra Notes

The app addresses this by providing a centralized platform for supplementary materials and diverse learning resources.

Pain Point 2: Difficulty in Studying

By offering readily available online extra notes, the app makes studying more manageable and enhances understanding.

Adaptation & Enhancements

1

Recommendation 1: Bolder Colors

Responding to user request, the app now features bold, vibrant colors to enhance user experience and engagement.

2

Recommendation 2: Dark/Light Mode

Newly added feature provides convenience and customization, ensuring an adaptable experience for all users.

10

What's next?

Our next step would be to develop a comprehensive app prototype, conduct pilot testing in schools and establish partnerships with educational institutions and technology companies.

Why?

By bridging the education gap and empowering Moroccan students, our app can unlock the full potential of Morocco's future generation, leading to a brighter and more prosperous society.