

Alagu Meiappan & Subha Nair



INTRODUCTION

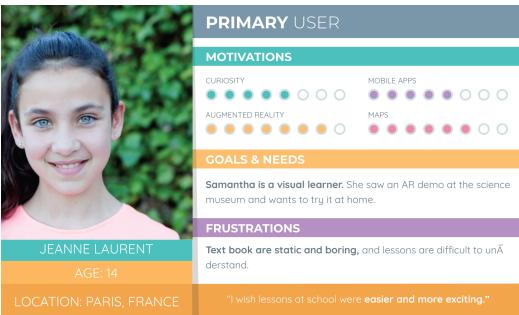
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The MAP-ED AR app features visualizations of flags, animals, and monuments on a kid-friendly map. The augmented 3D map can be projected in any place of the kid's or teacher's choice. This fun and educational AR app makes geographical facts come to life, thus making it easier for kids to retain the information they learn. Kids can learn interesting facts about countries through any smart device of their choice.

The target group for this app would be children in Grades 5-6+ (ages 10 and older). In these grades, elementary-age and preadolescent children are able to use maps with different symbol systems. These symbol systems may include color and abstractions, different projections, and different themes. Sixth graders usually perform equally well on tasks that use abstract symbols (e.g., points, lines, and polygons) as they do on tasks that use real-world symbols (e.g., giraffes, roads, areas of a park), so both abstract and real-world symbols can be used at this grade level[1].

PERSONAS





https://todaysmama.com/parenting



https://www.telegraph.co.uk/women/life

USER STORIES

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USER STORY 1

As a visual learner, I want to visualize what I learn better so that I remember facts better.

ACCEPTANCE CRITERIA

Visualise facts | Multimodal Learning

USER STORY 2

As a technology enthusiast, I want to integrate modern e-learning methods into teaching so that my teaching is more effective

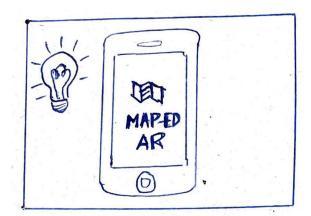
ACCEPTANCE CRITERIA

Mixed Reality | Educational Apps

STORYBOARD

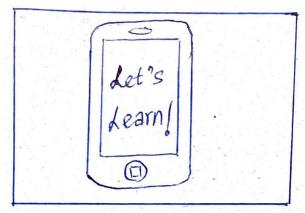


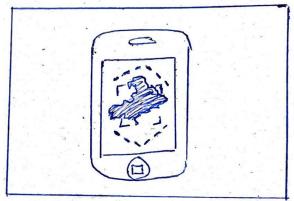




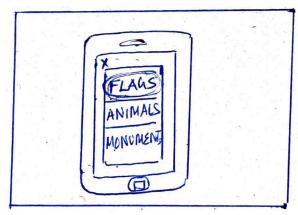
KID BORED OF READING GEOGRAPHICAL FACTS

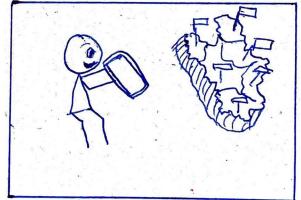
IDEA! USE AN AR MAP TO VISUALIZE COUNTRIES





USE THE AR FUNCTIONALITY OF THE APP TO SEE THE 3D MAP PROJECTED IN YOUR PLACE OF CHOICE





MENU TO CHOOSE TYPE OF GRAPHICS ON MAP

ANIMATED FLAGS OF COUNTRIES COMING TO LIFE!

REQUIREMENTS

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The primary hardware requirements for the realization of this project would be a Windows or a Mac system, along with an Android or iOS device for testing the AR app. We would be making use of Visual Studio (C# Platform) for scripting in Unity 3D together for design and development. We would also be using Vuforia for functions such as image recognition, and tracking multiple image targets simultaneously. The proposed technique of interaction is via a smart device that can be carried and used on-the-go as well.

OUTLINE



	October		November				December				January			
	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4
Research														
Ideation														
Prototyping														
Testing														
Building														
Documentation														
Final Preparation														•