

Audience Response System	
Vision	Date: <19/01/2023>

Audience Response System Vision

1. Introduction

Every year technology gets more integrated into academics, business, and social gatherings. Simultaneously, people are becoming more concerned about the footprint they leave online and the amount of information they might be unwittingly handing over to a multitude of companies. This has created a large gap in the market where people want technology to help them communicate while also preserving privacy. The Audience Response System (ARS) fills this gap.

2. Positioning

2.1 Problem Statement

The problem of	<i>The fear of asking for help</i>
affects	<i>Students, crowds, those without power</i>
the impact of which is	<i>Insufficient communication to be successful</i>
a successful solution would be	<i>A response system that protects privacy while ensuring communication</i>

2.2 Product Position Statement

For	<i>Public speakers</i>
Who	<i>Rely on feedback from their audience to be successful</i>
The (product name)	<i>Audience Response System</i>
That	<i>Allows anonymous communication and real-time speech feedback</i>
Unlike	<i>Zoom, Microsoft Teams, Webex, and Team Viewer</i>
Our product	<i>Holds no user data and allows users to speak pseudo-anonymously more easily.</i>

3. Stakeholder Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
<i>Technische Hochschule Ulm</i>	<i>Applied Sciences University in Germany responsible for educating the future generation of engineers and scientists.</i>	<i>THU is responsible with providing important development resources such as servers, access to printers, reliable internet connection, etc...</i>

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Name	Description	Responsibilities
		THU will also provide the necessary funds and the students to participate in this project.

3.2 User Environment

Each session will consist of a single owner and many users, users may come and go as they please though if the owner leaves the session closes. A session may last up to a maximum of 12 hours. A reliable internet connection is required as the ARS is not available offline. The ARS will have most of its support in Microsoft Edge, Firefox, Google Chrome (and Chromium based browsers), the ARS will also be usable on mobile devices via the web browser.

4. Product Overview

4.1 Needs and Features

Need	Priority	Features	Planned Release
Users can post messages visible to other users	High	Text box, character counter, user dashboard	January 2023
Users can reply to messages posted by other users	High	Reply box, information about poster, order of messages	January 2023
Users can like messages	Low	A like button, something to keep track of who liked a comment, something to count the likes	January 2023
Users can edit comments	Medium	An edit button, an updated timestamp on the message	January 2023
Users can delete their comments	Medium	A delete button, something to keep track of dependent replies	January 2023
Users can change their display name	Medium	Keep track of who posted what comment and a button to change the display name	January 2023
Users can leave sessions	High	A leave button	January 2023
Owners can create sessions	High	A create button, an owner dashboard, a unique password	January 2023
Users can join sessions	High	A join button	January 2023

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Users and owners can be directed back to a session after they've closed the browser	High	Local storage to store the session ID and password.	January 2023
A visible toggle to pre-screen messages before they're posted.	High	Owner dashboard and a switch to toggle messages. Need a way to track which messages are visible	January 2023
A statistics screen to view number of total messages	Low	Chart making library and separate view for statistics	January 2023
Panic buttons users can push to instantly communicate information	High	Button menu, useful options to communicate to speaker, way to prevent button spam	January 2023
Useful way for owner to view panic button information	High	Chart making library and separate view for panic statistics	January 2023
Owner can create polls that users can vote in	Medium	Poll making library, timer, multiple options of selection	TBD
Owner can create quiz questions	Medium	Timer, storing correct quiz information, tracking accuracy	TBD
Owner can close a session for all users	High	Way to communicate to all users at once, a close button	January 2023

5. Other Product Requirements

Requirement	Priority	Planned Release
Windows, Linux, or MacOS	High	January 2023
To host custom server a Java Virtual Machine	High	January 2023
To host custom DB, Microsoft SQL Server	High	January 2023
Guaranteed support for Firefox, Chrome, and Microsoft Edge	High	January 2023
Custom server and custom DB set up guide	High	January 2023
Able to bind to port 443	High	January 2023
A stable internet connection	High	January 2023