

Experiment 7

PART A

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Sem/Year : Sem-07/ 4 th year	Batch: 1
Date of Experiment : 14-10-2022	Date of Submission: 19-10-2022

A.1 Aim

To identify a project such as website or mobile app to redesign through the design life cycle (Discovery, define, Requirements analysis).

A.2 Prerequisite

Understanding of design life cycle

A.3 Outcome

After experimentation, students will be able:

- To understand the design life cycle.

A.4 Theory

Cyclic model that incorporates three phases (Bias and Mayhew, 2005):

1. **Requirements analysis**—In this step, you establish your user characteristics, what tasks the product requires for operation so you can determine what the users need to do, set your goals for the usability study, and determine the usability study design guidelines.
2. **Design, testing, and development**—In this step, you create a structured, top-down approach to designing the product, be it a user interface, Web site, documentation, or a combination of the three. This is the step that requires the most feedback from your project team.
3. **Installation**—In this step, you gather feedback from users during and after the development process and share this feedback with the project team to determine if you need to make any product changes.

A.5 Tasks to perform

1. Identify a project and get approved by the faculty.
2. Specify the problem statement and Requirement gathering of project.

(PART - B)

(TO BE COMPLETED BY STUDENTS)

(Students must submit the soft copy as per following segments within two hours of the practical)

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Grade --	

B.1: Task assigned:

Identify a project and get it approved.

SRS Document attached below.

B.2: Observations and Learnings:

Write the documents containing problem definition, requirement gathering.

B.3: Conclusion:

(Students must write the problem statement, requirement and complete the redesign a project)

Therefore, problem statement and requirement analysis was performed

Software Requirements Specification

for

ThoughtSpot

Version 1.0 approved

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Revision History

Sr. No.	Date	Name of the Requirement	Version
1.	14-10-2022	Introduction, Description, Requirements	V.01
2.	17-10-2022	System features, Other nonfunctional requirements	V.02

1. Introduction

1.1 Purpose

This document outlines the usage and implementation of the ThoughtSpot app. It is aimed at website and app developers, marketing staff, end users, project managers, and testers. Through this document, one may comprehend the project's problem statement and the functioning of each module, which will aid everyone in gaining a thorough grasp of this entire project.

1.2 Document Conventions

This document was created based on the IEEE template for System Requirement Specification Documents. Main headings are numbered in whole numbers with a bold, Times New Roman font. Subheadings are numbered as a number following the decimal point that is 1.1, 1.2, and so on.

1.3 Intended Audience and Reading Suggestions

The target audience would include people all age groups, genders, and segments of the population. Individuals seeking to cope with daily stressors and find relaxation, novice meditators, students, working professionals, etc.

1.4 Product Scope

The growing pressures of daily life are driving more people to use mental health apps when seeking psychological support. This trend has accelerated significantly in the past year due to social distancing demands that have been imposed as a result of the COVID-19 pandemic. While digital mental health services are increasingly being endorsed by governments and health professionals as a low-cost alternative to therapy, there are potential downsides. The aim is to design an effective mental health solution that will address the numerous concerns with the current apps and will serve users of all age groups, and offer cost-effective and easily accessible support services. The app will enhance user experience, expand accessibility, provide customized settings, support groups facilities, and one-on-one therapy sessions and a lot more. It will also tackle problems of data breaches by providing better security so that users don't have to worry about privacy risks.

1.5 References

[User Research Document](#) where the research was conducted using interviews to form a general opinion about needs of users and their expectations from the solution being developed, followed by a thorough comparative analysis of existing solutions in the market.

[User Persona Document](#) which helped in thoroughly understanding the users pain points and their requirements.

2. Overall Description

2.1. Product Perspective

ThoughtSpot is a mobile app developed keeping the drawbacks of the recent apps in mind. It seeks to close the gaps left by current solutions and offer a better and more efficient way to monitor and manage your mental health. The app offers a wide range of functionalities, and serves users of all age groups. The features include short meditations, thought journals, support groups, one-on-one therapy sessions, various personalized recommendations like movies, podcasts, books, and self-monitoring options. Most importantly, it tackles problems of data breaches by providing better security so that users don't have to worry about privacy risks.

Information Architecture: It organizes, structures, and labels contents in an effective and suitable way in order to help users find information and complete tasks.



2.2. Product Functions

Home Page

The homepage has a distinctive vibe and aesthetic that makes the user feel welcome and engaged. It includes information like a crisis helpline, notifications, and quick links to other pages like podcasts, blogs, and course suggestions. It also has a goals page for users to track their own emotions, view previous records, journal, set daily tasks, and gain insights.

Experts

This page allows users who need professional help, to connect and book a session with a certified expert with only a click. It offers crucial details about the therapist as well as details on their methodological approaches. The sessions are offered via voice, video, and text messages.

Chat Window

In order to facilitate efficient communication, it gives users a quick way to interact with members of their community group and their therapists.

Community Page

It helps users to connect to various community groups available for them to join in and discuss their problems. There's also a feature where the users can post and comment anonymously.

Recommendation Page

This pages consists of various suggestions for users based on what they are looking for. It includes recommendations for podcasts, articles and blogs, and also suggests users to enroll for various courses based on their interests.

Profile Page

It contains information like account settings, notifications, provides users with option of anonymous mode, track their goals, about us, and user feedback options. It offers users a convenient way to edit their profile, check important information, and offer feedback.

2.3. User Classes and Characteristics

There are 2 users classes identified.

1. The normal everyday user: It includes users all age groups, genders, and segments of the population, novice meditators, students, working professionals, etc. seeking to cope with daily stressors and find relaxation.
2. Experts: Group of licenced professionals who register on the app to help users, offer individual therapy, and direct the coordination of services.
3. Technical Support Team: Team of technical specialists who will assist users with any issues and make sure the platform is up and operating error-free.

2.4. Operating Environment

ThoughtSpot is mobile application which is compatible with both the smartphone platforms i.e. Apple or Android.

2.5. User Documentation

Users will have an 24/7 support System and Helping Guide to get started. Users can also access FAQs for Frequently faced issues.

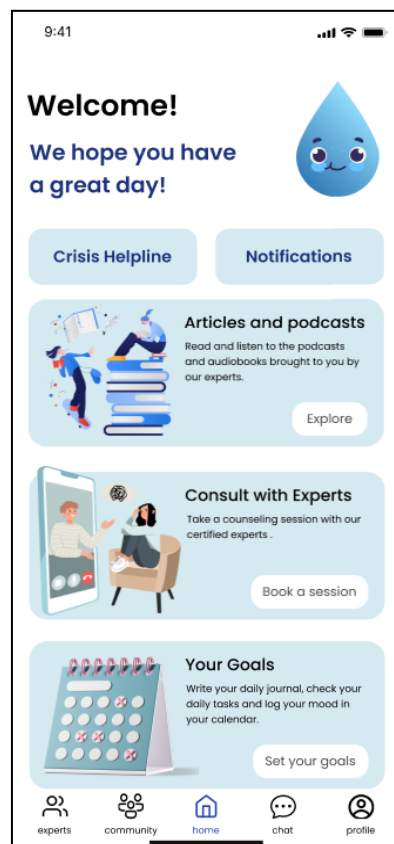
2.6. Assumptions and Dependencies

The app requires a stable internet access, if a mobile app user loses Wi-Fi connection, features of the app may become unavailable. User registration is required to access the functionalities of the app. The functionality of the app could be impacted if server traffic increases. The app's Android version is compatible with the Android mobile ecosystem's fragmentation, while its Apple iOS requirements are compatible with the apple user interface.

3. External Interface Requirements

3.1. User Interfaces

The application is likely to have a simple but attractive landing page with 5 call to action button on the main screen and 5 shortcut buttons present at the footer of the app that will lead the users to respective pages. By using the keyboard alone, the buttons must allow for full navigation and selection.



In reference to information architecture, the user interface will follow the users journey and goals when they visit the app. The system shall provide help through crisis helpline if the user has any query.

3.2. Hardware Interfaces

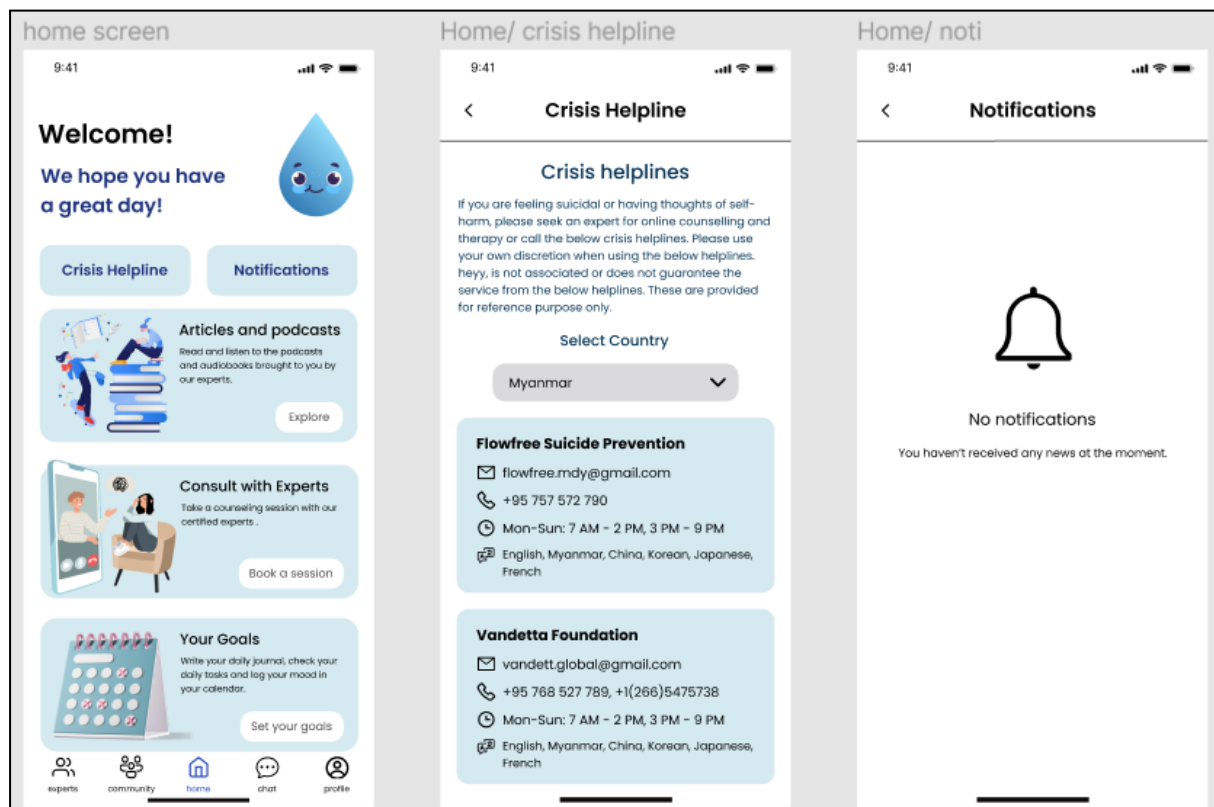
None.

3.3. Communications Interfaces

User data will be kept in a cloud storage system, where each user will only be able to view their own data. Only users who have been validated during registration are eligible to use the platform's full capabilities.

4. System Features

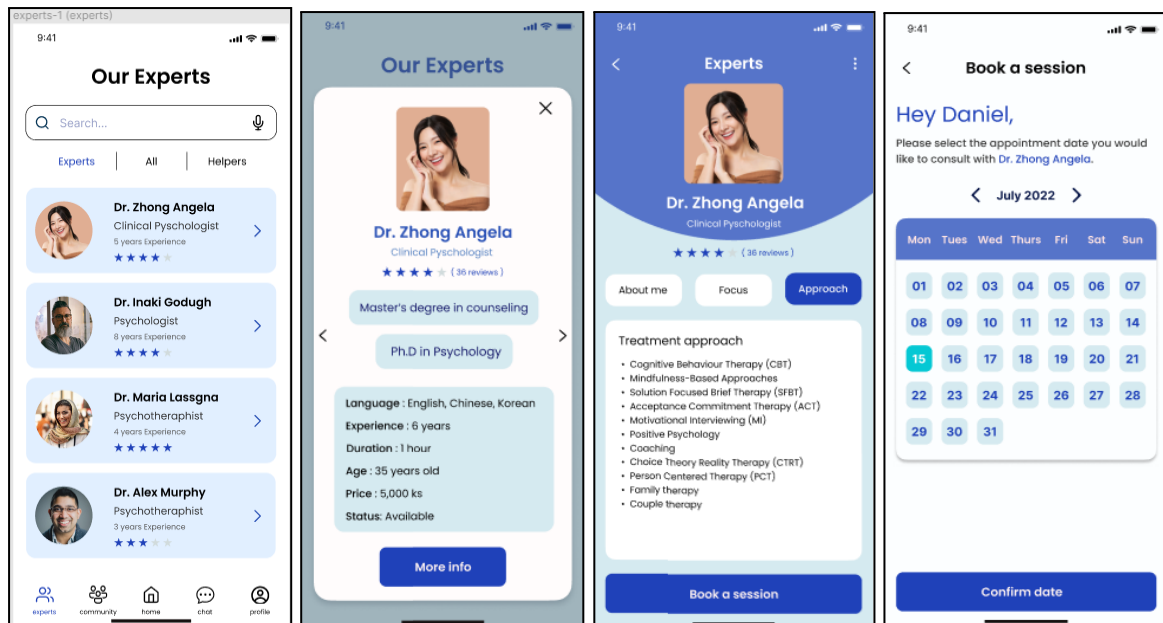
4.1. Home Page



4.1.1 Description and Priority

The homepage has a distinctive vibe and aesthetic that makes the user feel welcome and engaged. It includes information like a crisis helpline, notifications, and quick links to other pages like podcasts, blogs, and course suggestions. It also has a goals page for users to track their own emotions, view previous records, journal, set daily tasks, and gain insights.

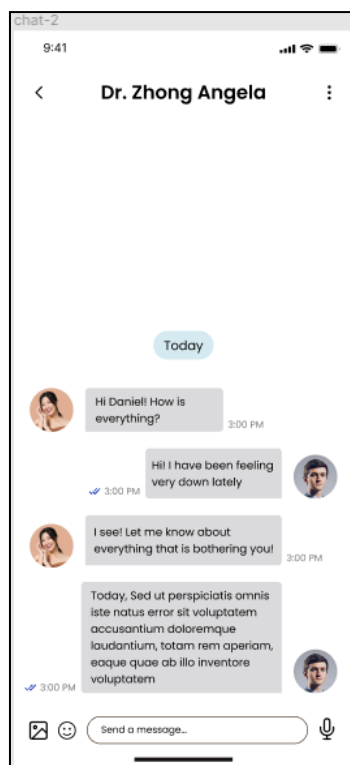
4.2. Experts



4.1.1 Description and Priority

This page allows users who need professional help, to connect and book a session with a certified expert with only a click. It offers crucial details about the therapist as well as details on their methodological approaches. The sessions are offered via voice, video, and text messages.

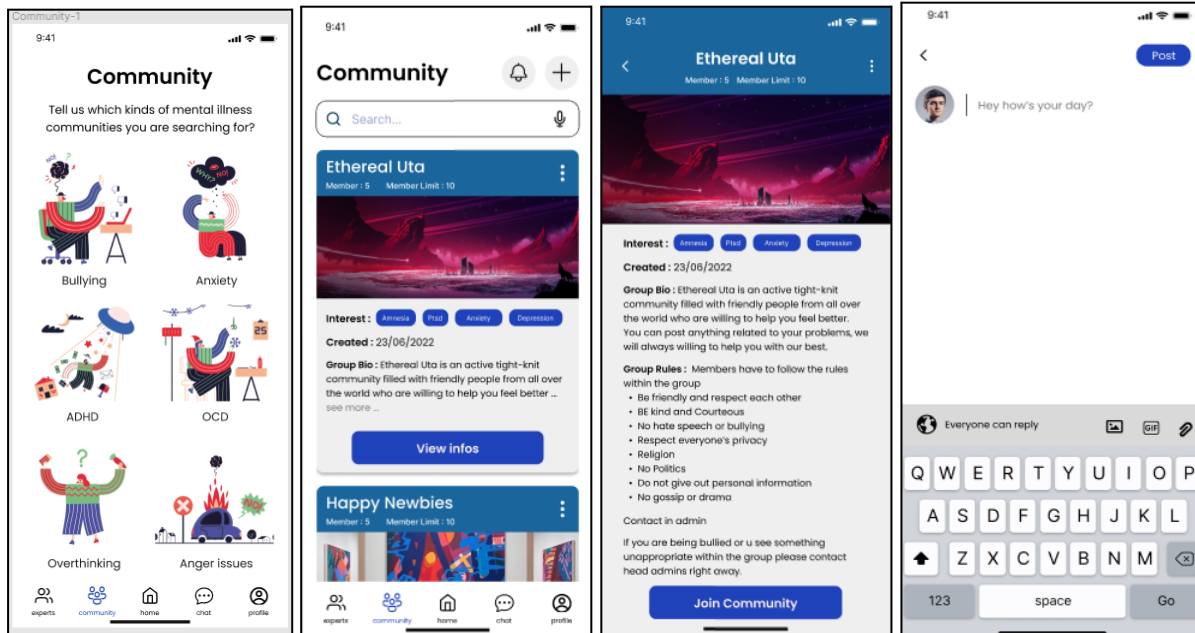
4.3. Chat Window



4.1.1 Description and Priority

In order to facilitate efficient communication, it gives users a quick way to interact with members of their community group and their therapists.

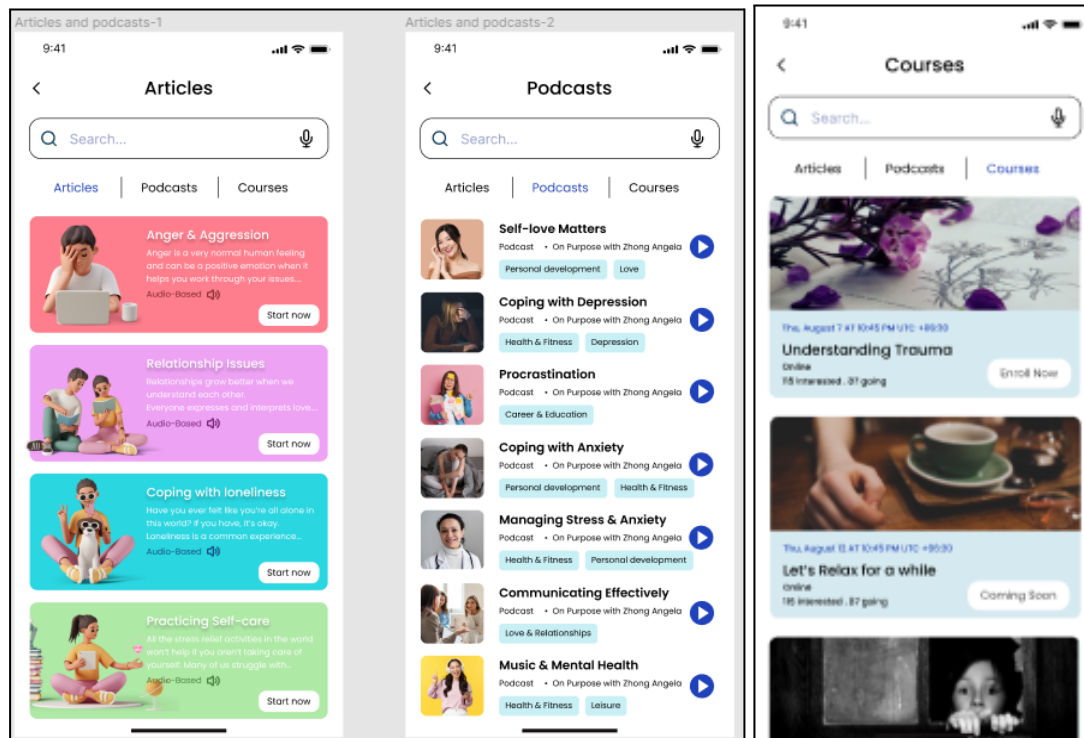
4.4. Community Page



4.1.1 Description and Priority

It helps users to connect to various community groups available for them to join in and discuss their problems. There's also a feature where the users can post and comment anonymously.

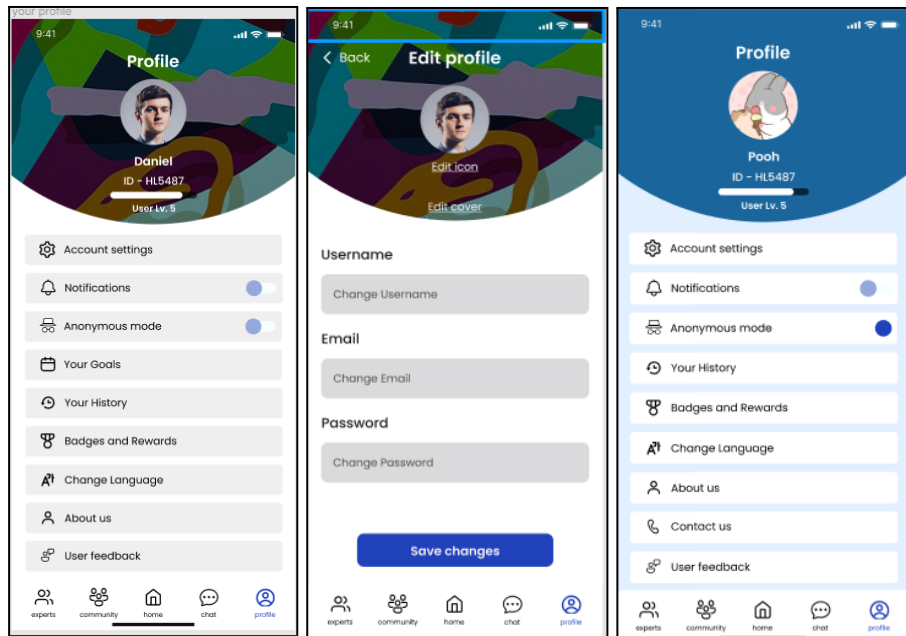
4.5. Recommendation Page



4.1.1 Description and Priority

This pages consists of various suggestions for users based on what they are looking for. It includes recommendations for podcasts, articles and blogs, and also suggests users to enroll for various courses based on their interests.

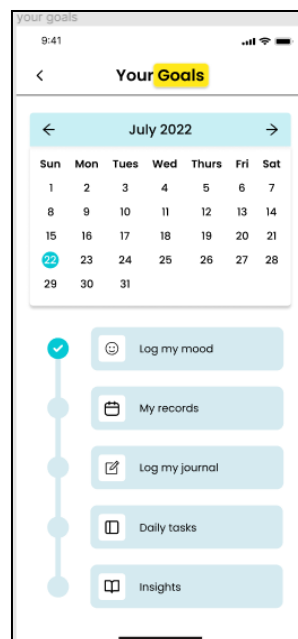
4.6. Profile Page



4.1.1 Description and Priority

It contains information like account settings, notifications, provides users with option of anonymous mode, track their goals, about us, and user feedback options. It offers users a convenient way to edit their profile, check important information, and offer feedback.

4.7. Your Goals



4.1.1 Description and Priority

It helps users to track their emotions, view previous records, journal, set daily tasks, and gain insights.

5. Other Nonfunctional Requirements

5.1. Performance Requirements

There should be no lag because the app is designed to have zero latency. The app should be accessible at all times and should have a steady internet connection to function properly. The app should constantly be accessible, maintained to handle the user traffic, and simple to use.

5.2. Security Requirements

This platform's security is crucial since it holds private information about users that should never be compromised. Data transfer from and to the database must be adequately controlled and encrypted during access procedures.

5.4. Software Quality Attributes

Availability: The ThoughtSpot app will be available to users 24/7

Compatibility: The app is compatible with both the smartphone platforms i.e. Apple or Android.

Usability: The app's functions are easily accessible and have a streamlined design for ease of use..

Maintainability: The app can be modified, tested and analyzed in the future as requirements change.

Portability: The app can be accessed from anywhere at any time.