

# Software Instructions Document for Happy Family App

Welcome to the Happy Family! This document will guide the user through the setup and usage of our sustainable-themed family bonding platform, designed to strengthen relationships and streamline daily tasks.

## System Requirements:

- Compatible with Android smartphones.
- Requires a stable internet connection.
- Testes devices : Google Pixel 3 & VIVO v21e

## Installation Instructions:

- Download the Happy Family app.
- Use the .apk file to install the app on your Android device

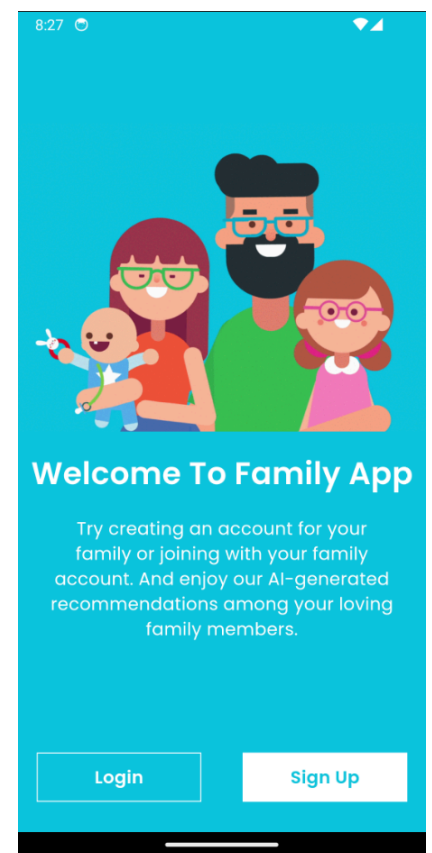
## Main Features:

### Family Bonding:

- Individual Recommendations: Get personalized recommendations as the family is taken into account.
- Family Challenges: Participate in fun and competitive games and challenges as a family
- Family Chat: Communicate and stay connected with family members in real-time

### Getting Started:

- Once the app is installed, the user may have to either sign up as a new user or use the log-in option if an account already exists.
- If the user already exists, they can use the “Login” option and use email and password to log into their account.



- If the user is new to the Happy Family app, the user will have to use the “Sign-Up” option and follow through the on-screen instructions to create a new account on Happy Family.

### Sign Up:

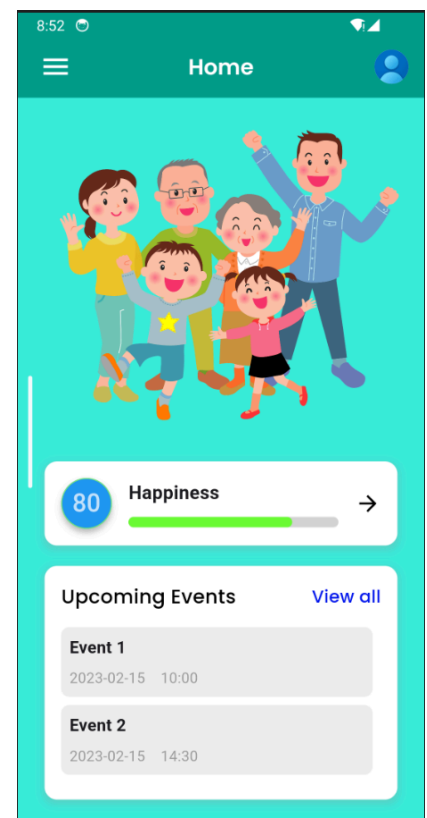
- To be registered as a new user, you must provide a valid email address, a username, and a strong password with the following requirements.
- Password must be at least 8 characters long and it must contain at least one lowercase letter, uppercase letter, one digit, and one special character ( eg: !@# ..)
- If the email you provided is already registered, you will get an error called invalid credentials and you will have to enter the credentials again.
- After the end of the registration process, the user must log in to the system with the credentials he/she provided.

### Login:

- In the login process user must be able to provide their given email address and the correct password.
- If the given credentials do not match, the user will have to provide them again and he/she will not be authenticated to access the content.
- After the successful login process, user will be directed to customize his/her profile if that is the first time they have logged in.


### Home page:

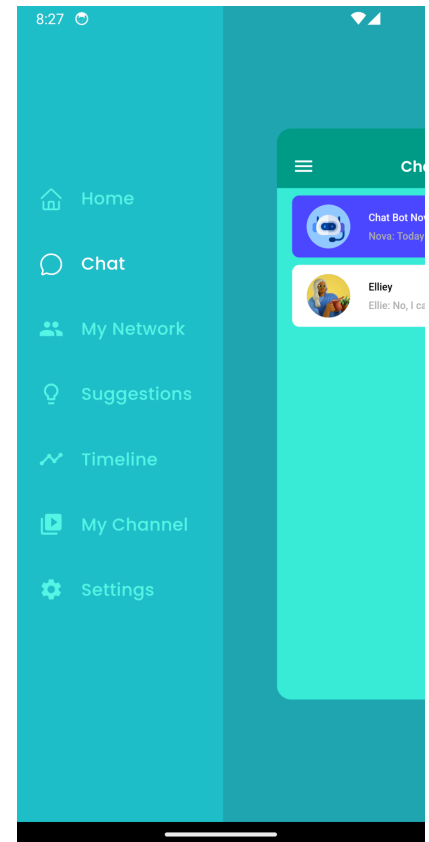
- When the user is logged in, the Home page shows 3 major details namely, Happiness statistics, upcoming events, and notifications.
- In happiness statistics, it shows an overall happiness score value which indicates the happiness level of the user's family as a percentage, and, by tapping that you can view the full happiness statistics of every family member.
- The upcoming event section shows the closest 3 events that are relevant to the user and their family, and you can also view all the upcoming events in scheduled order by tapping the view all button.
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- The Notification section shows the major updates of the application and some personalized notifications regarding the user and their family. Also here, you can use the view all button to take a quick look at all the notifications you have received in a certain period.

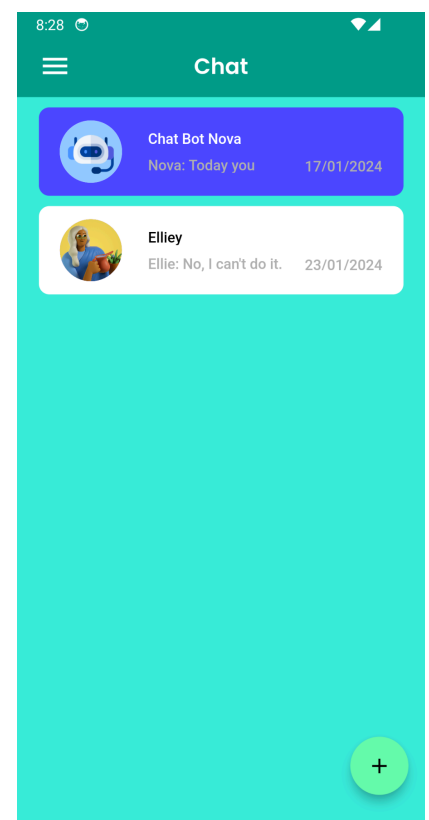
## Sidebar:

- The sidebar can be accessed via an icon  on the top left corner of the screen or by a short slide from the left edge to the middle of the app.
- Helps navigate easier across all the top-level collections of content.
- The content that can be accessed via the sidebar is portrayed in the image.
- The current page name is being highlighted by showing it in a white color.
- To quit the sidebar and stay on the same page simply tap the displayed content of the current page.



## Family Chat:

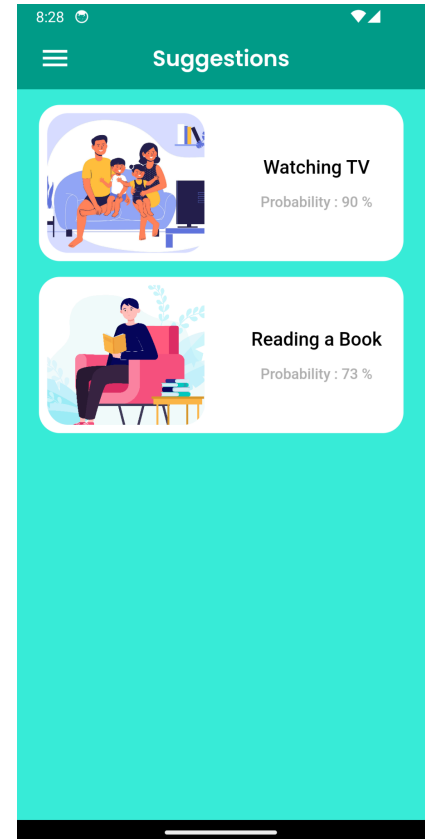
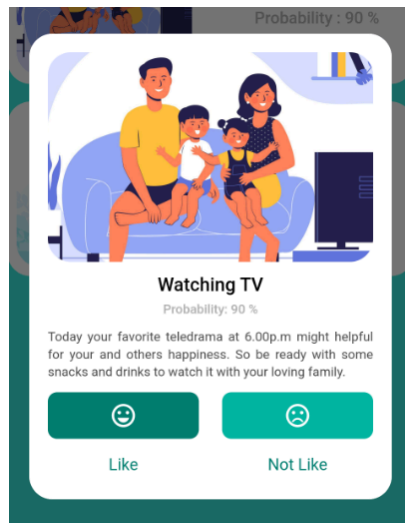
- Chat can be accessed through the sidebar  icon.
- This feature includes all the contacts added by the user as family members and quick access to them.
- The chat section creates a family group chat upon adding members as family automatically instead of creating manually, for ease of access.
- This section also contains an AI chatbot within the system called “Chat Bot Nova” which the user can access and use the features as a personal chatbot.
- Using the  icon, the user can either “Create a Group Chat” for personal reasons or “Add a member” as a family member.




As adding a member to the family will automatically be added to the family group chat.

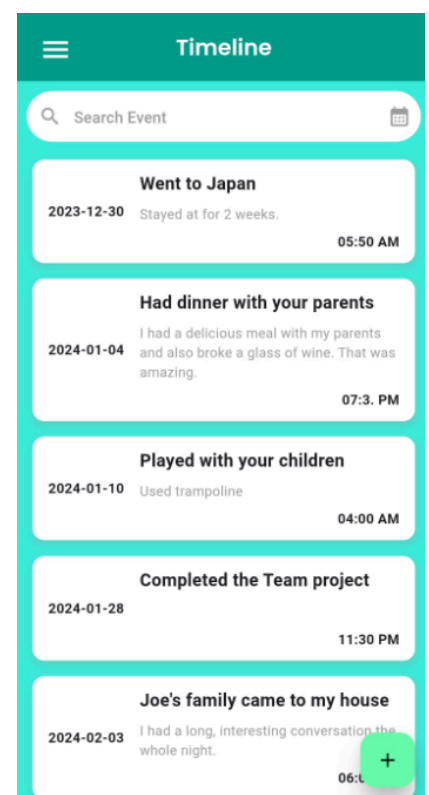
## Suggestions:

- Suggestions are the section in the “Happy Family” app which uses AI to give individual recommendations to each family member.
- This is displayed as cards that the user can access and give feedback upon the preference of the user.
- Suggestion cards have a probability value which indicates the preferability among other users of the app.
- Suggestions may include various AI-generated activities, videos, images, etc. catered to each of the family members considering their activity across the use of the app and preferred activities/suggestions.




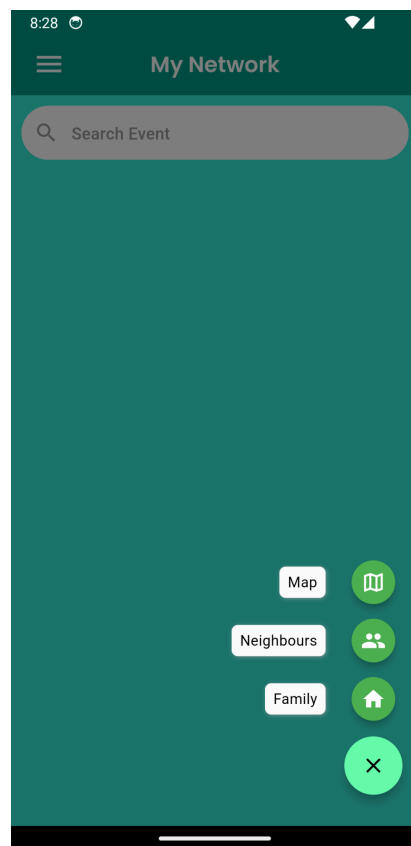
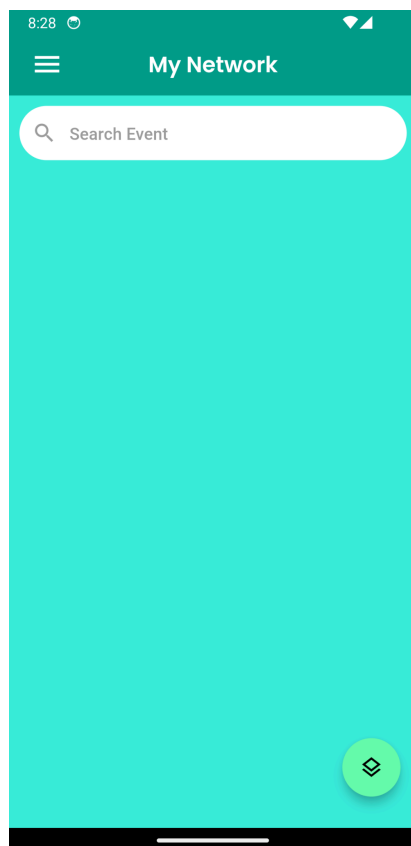
## Timeline:

- The timeline displays the current ongoing activities as well as the activities done in the past.
- The “Search Event” can be used to search for upcoming events or the user can use the feature to search whether they have completed an event or not.
- Using  in the bottom right corner of the screen, the user can create a new task in which the user can give a title, date as well and a proper description.
- Events are displayed according to the given skeleton.




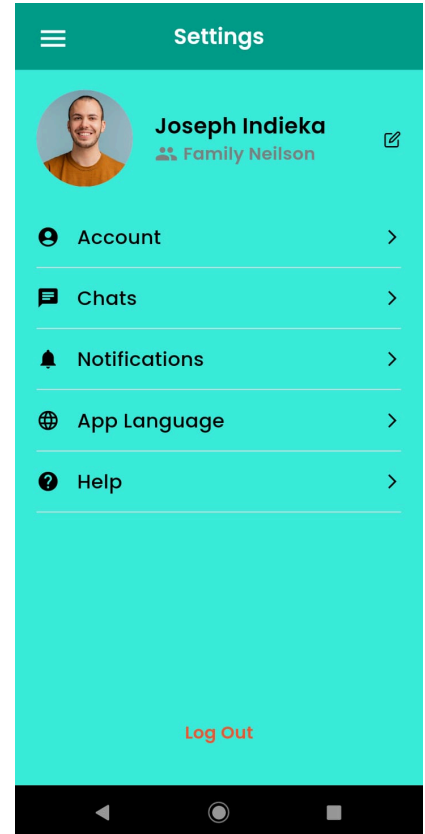
## My Network:

- My Network shows a visual representation of the family tree.
- As members are added to the family they are displayed according to their roles such as mother, father, son, daughter, etc.
- Using  icon, the user can access various options such as “Map” which gives live location updates, “Neighbours” for requesting and adding neighboring families, and “Home” which allows the user to customize the roles of family members, and add or remove members from the family.



## Settings:

- Settings page allows users to quickly change their account details and app configurations.
- Users can edit their initially provided details by tapping the edit  icon, next to their profile name.
- “Account” option provides the facility to change their account settings. Users can add multiple accounts and manage those accounts using this option.
- “Chats” option in settings enables you to customize your settings in chats as you need, so your privacy will be ensured further.
- “Notification” section enables you to customize the notification notified by the app. The users can sleep notifications for a period of time or completely mute notifications using this option.
- “App language” feature allows the user to change their language in the app interface to a foreign language best suited for the user's country or preference.
- “Help” section takes the user to a simple documentation web page of the application



## Contact Information:

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