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17. Task 5: Your Next Task

GitHub Username: **RuchaBhattJoshi**

Magic of Gratitude (Journal)

Description

Being grateful and thankful for all of the blessings you have makes you feel good about yourself. With the gratitude journal, user can be grateful everyday by recording things that make them happy. User can capture and view magical moments with a daily photo.

User can receive an inspiring quote daily and weekly challenges that can be shared across social media. User can set daily notifications to ensure you never miss to write journal. User can backup/export pdf for backup.

Intended User

Anyone who always wanted to start a journal and want to constantly reflect and improve their lives.

Features

~ **Beautiful, Intuitive Journaling Experience** –

~ **Timeline View** – Quickly access previous journal entries and view short daily excerpts. Tapping on an entry leads to a full day review.

~ **Photos**, **Videos**– Capture and view your magical moments with a daily photo & Video.

~ **Daily Quotes & Weekly Challenges** – Receive an inspiring quote daily and weekly challenges that can be shared across social media.

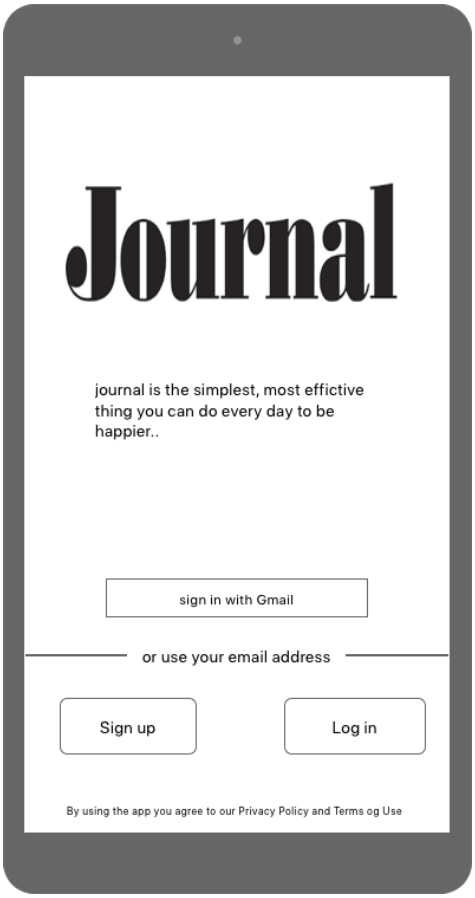
~ **Easy Journal Entry Navigation** – Quickly cycle through previous journal entries by swiping right or by tapping on a specific date in calendar view.

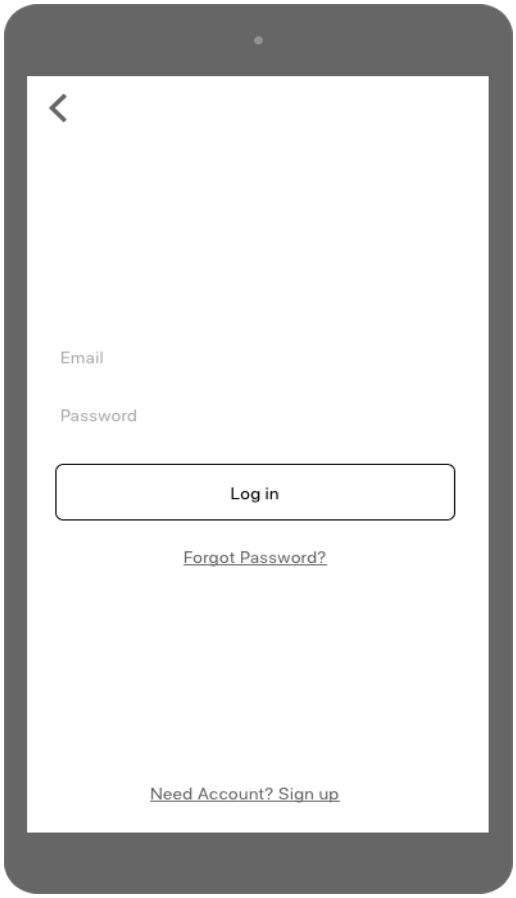
~ **Reminders** – Set daily notifications to ensure you never miss a day of your Journal.

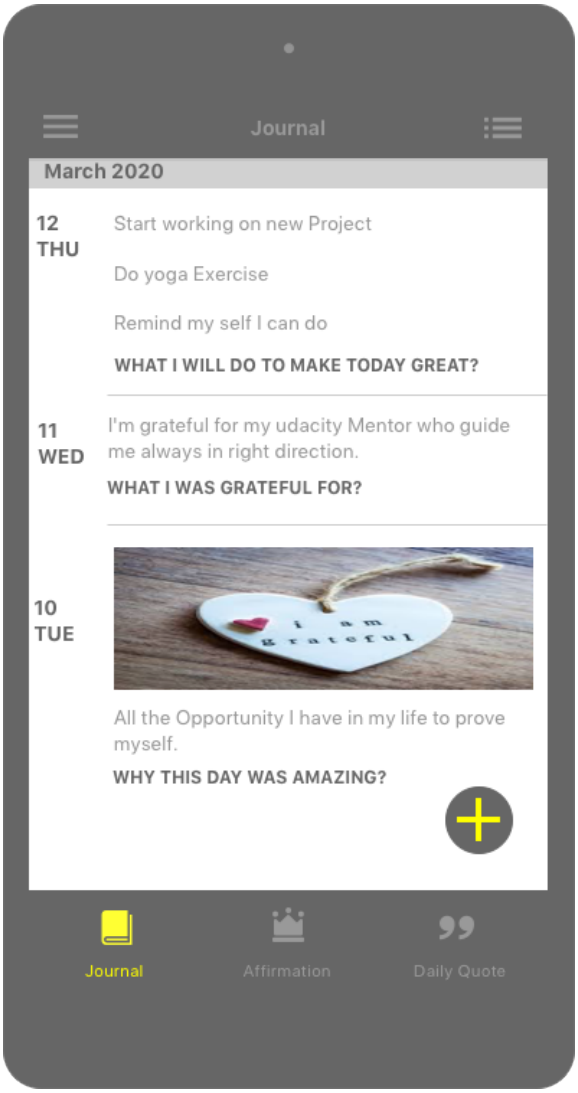
~ **Backup/Export to PDF** – Easily backup/export all your entries to PDF, Dropbox, and more.

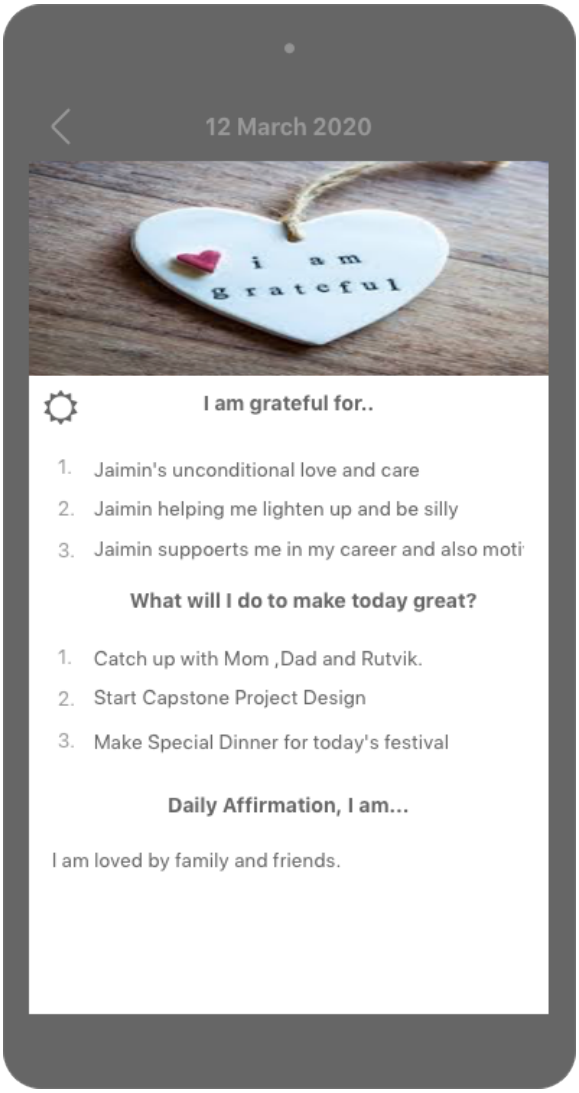
~ Language - App provide 3 language support : English, Hindi and Gujarati.

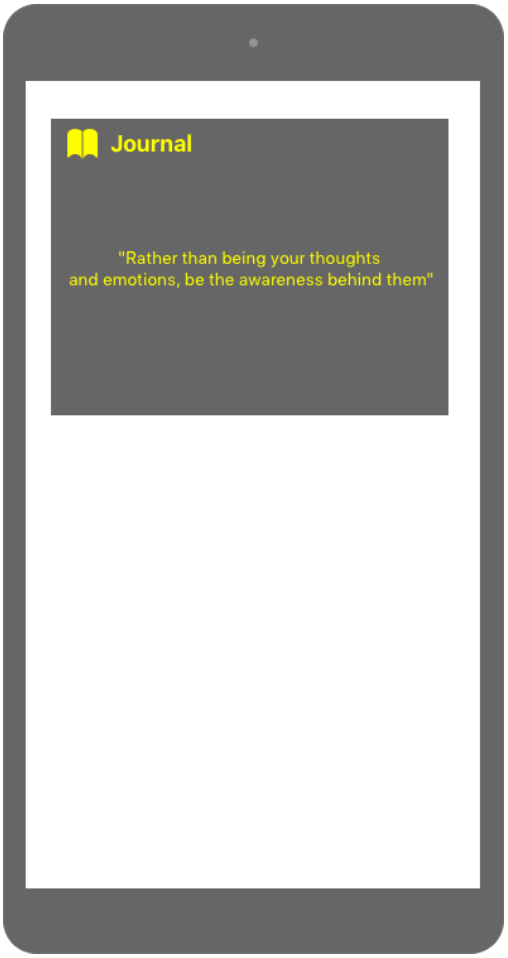
User Interface Mocks

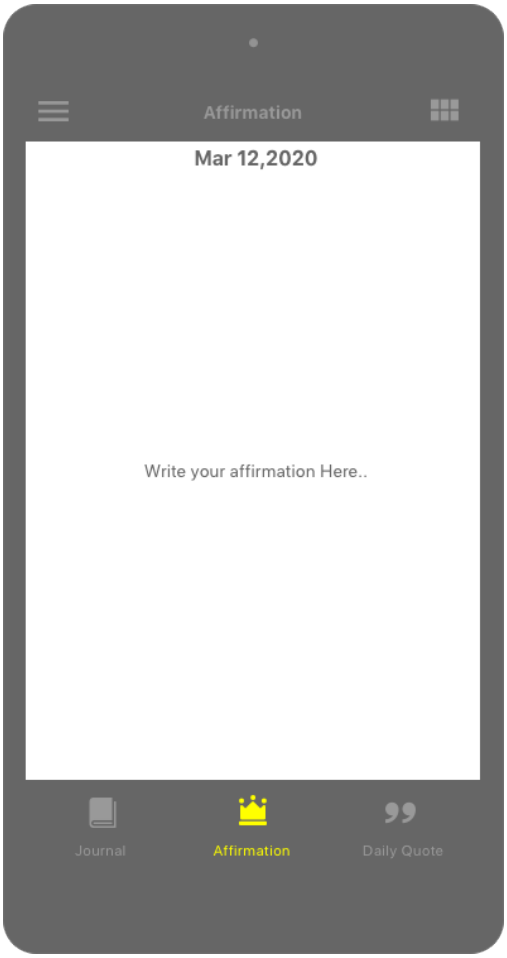





Journal
March 2020
12
THU
Start working on new Project
Do yoga Exercise
Remind my self I can do
WHAT I WILL DO TO MAKE TODAY GREAT?
11
WED
I'm grateful for my udacity Mentor who guide me always in right direction.
WHAT I WAS GRATEFUL FOR?
10
TUE
i am grateful
All the Opportunity I have in my life to prove myself.
WHY THIS DAY WAS AMAZING?
Journal
Affirmation
Daily Quote


12 March 2020
i am grateful
I am grateful for..
1. Jaimin's unconditional love and care
2. Jaimin helping me lighten up and be silly
3. Jaimin suppoerts me in my career and also moti
What will I do to make today great?
1. Catch up with Mom ,Dad and Rutvik.
2. Start Capstone Project Design
3. Make Special Dinner for today's festival
Daily Affirmation, I am...
I am loved by family and friends.


Journal
"Rather than being your thoughts
and emotions, be the awareness behind them"


Affirmation
Mar 12,2020
Write your affirmation Here..
Journal
Affirmation
Daily Quote

Widget

Key Considerations

How will your app handle data persistence?

Firebase database for save quotes and journal pages.

App will be using Firebase Realtime Database to store data remotely. this will allow app to sync data while online and persist it to disk, making it available offline, even when user or OS restarts the app. The app will work as it would online by using the local data stored in the cache.

Describe any edge or corner cases in the UX.

When the app is launched the user can see journal screen after login/signup, user can create journal page and filled details and return to main page by hitting back button.

User can access daily quotes and create affirmation clicking tab. User can also change settings from setting page.

If no internet connection user can still work off-line with the message “syncing will resume when you’re back online”

Describe any libraries you’ll be using and share your reasoning for including them.

App will be coded only in java programming language.

App will use only stable release versions of all libraries.

App will pull and send data to/from firebase as per request.

App will keep all strings in strings.xml file.

Picasso : to handle the loading and caching of images.
Butter Knife : to handle field and method binding for views.
Room : to save offline user data and quotes**.**

Describe how you will implement Google Play Services or other external services.

Firebase Authentication : for authentication for user account
Firebase Storage : for storing images
Firebase Database : to backup user data and quotes
Firebase Job Dispatcher: for notification and weekly challenges.

Required Tasks

Task 1: Prepare UI mock-ups and project plan

- Write a plan which has requirements and goals of the project
- Draw sketches of UI and colourful mock-ups of the screens.

Task 2: Project Setup

- Add dependencies of all libraries.
- Fix and conflict between libraries.
- Setup packaging and arrange packages by features using MVVM design pattern

Task 3: Set up Firebase Authentication

- Create layout for Sign in and Log in
- Setup login and sign up

Task 4: Implement UI for each activity and fragment

- Build UI for Tab Layout (Journal , affirmation ,daily quotes)
- Build UI for Navigation Drawer (About, Settings)

Task 5: Backup using Room and Firebase

- Setup Firebase and Room for save journal pages and quotes
- CRUD

Task 6: Handle Error Cases and State changes

- Handle Error cases: create page, save, display, delete, set reminder, backup
- Handle Screen Rotation and saving state.

Task 7: Accessibility and Clean up

- Add Accessibility support, code clean up and refactoring
- Test on different screens and sizes

Task 8: Add widget

- Show daily Quotes

Task 9: Test the Appss