Lifelog

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Link to GitHub Repository

https://github.com/Peace491/Life-Log

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Lifelog

Our Value

The Lifelog web app aims to enhance users' lives by helping them achieve their dreams and aspirations. It provides a platform that generates meaningful recommendations to ensure users accomplish their LLIs[5]. The thought behind this product was the aim to help individuals accomplish their long term goals from their personalized Lifelog.

Our Vision

The vision of the Lifelog app is to inspire, motivate, and actively help people pursue their dreams and live life to the fullest. The Lifelog seeks to help users set, manage, and accomplish their LLIs[5] while fostering a sense of achievement and personal growth.

Pain Point

The Lifelog addresses people's tendencies to drop their large life goals and never accomplish them. Our application will compete with journaling or goal-accomplishment apps, as well as with existing list applications. Our unique recommendations set us apart from the competitions and assist our users by providing tailored advice to prompt our users in the direction of completing their major life goals.

What Sets Us Apart

The recommendation algorithm[7] embodies our core value of enhancing lives by helping users achieve their dreams. It transforms aspirations into experiences, providing personalized guidance and motivation. These recommendations provided by the algorithm make user's lives more fulfilling and memorable through accomplishing goals in users' personalized Lifelogs.

Our Responsibility

We are responsible for all confidentiality, integrity and availability of all user data.

The User

User Types

Root Admin:
- People without any programming experience who will moderate the system once it is online, using a graphical user interface.
- In addition to having all the capabilities of a public user, root admins have the ability to view, modify and delete any public users' profile and LLI[5].

Public Users:
- People who use the app occasionally for inspiration, motivation, or to document their goals, even if they don't actively pursue all of them. These are individuals who have a strong desire to create and accomplish their life goals. They actively use the app to plan and track their experiences.
- Public users have the ability to create, view, modify, and delete their own LLI[5].

Whom We Cater to

Our audience mainly consists of adults who have yet to accomplish things they want to achieve in their lifetime. Our demographic will initially be mainly people from California, with eventual gradual expansion to the rest of the United States.

Minimum Viable Product

Core Components

Standard security to protect end users, compatibility and accessibility. Functional user interface. Users being able to make new LLI[5]. Visual dashboard for active LLI[5]. Meaningful suggestions for our users Life Goals

Our Scope

Initially we will deploy the Lifelog application online as a web app, with plans for mobile implementation later on. Additionally, we will first deploy to the California market, with potential gradual expansion to the rest of the United States.

Core Features

- **Recommendation engine[7]**
  - Implementation – Each LLI[5] will have a category and a commitment level. There will be seed data in the database with the common LLI[5] that people have, labeled with a specific category and commitment level. When the user first creates their account, they will be prompted for their interest and commitment level to carrying out these interests. Based on these information, the recommendation engine[7] can recommend LLI[5]s that fits the data that the user had given.

- **Progress Calendar**
  - Implementation – A calendar component where the user can mark the date that they accomplish their LLI[5].

- **LLI[5] attributes and operations**
  - Implementation – A LLI[5] will have a category, commitment level, status and description. There will be standard operations to create, view, modify, and delete LLIs[5].

- Support for the desktop version of **Chrome** on standard display resolution (1920 x 1080)

- **User privacy and user data will be protected, adhering to CPRA**
  - Users may request their data.
  - Users may request their data is deleted

- **Usage dashboard**
  - Cover varying timespans
  - Track logins (Successes and failures)
  - Track registrations (Successes and failures)
  - Track most popular page
  - Track most popular feature

- **User Management**
  - Including creations, deletion, modification, and account recovery.

- The app will initially be deployed specifically to **California**, meaning it will initially **only cover the Pacific time zone**.

Features

Phase 1
Low-Medium Complexity

- **Motivational quote (Low)**
  When a user logs in to the app, they will encounter a randomly selected motivational quote from a selected list of inspirational quotes. This functionality aims to enhance the user experience by inspiring them to engage with the app more frequently, as a result boosting user retention rates. Moreover, these uplifting quotes will foster a positive and motivational atmosphere within the app, encouraging users to continue on with their journey with Lifelog.
  - Implementation – A daily/weekly quote would be stored in a database where the quote would be dispensed to the user.
  - Validity – The quotes will provide motivating words for the user, boosting the users mood and motivation, further aiding them in accomplishing their LLIs[5].

- **User base accomplishments dashboard (Low)**
  This feature shares users LLI[5] data anonymously (users will need to give permission to share this data) and by pooling this user data Lifelog will create informative dashboards that showcase the data of LLIs[5] that other users are indulging in. This helps the user not only accomplish their goals but also drives them to explore new passions and interests. It fosters a culture of curiosity, self improvement and makes way for users to discover new passions.
  - Implementation – A dashboard on the front page of the app that shows accomplishments other users have recently done.
  - Validity – The demonstration of these accomplishments will help create a sense of community within the app and give the user a sense of relatability that will motivate them to continue on.

- **Lifelog Badge (Low)**
When users hit certain milestones they will receive LLBs[4] that the users can unlock, this feature gamifies the process and incentivizes users to be collectors and at the same time motivates them to complete LLIs[5] by providing them with a sense of accomplishment.
  - Implementation – A database tied to the user that records the progress of each tracker would be used to determine when to notify the user of an LLBs[4] on their UI.
  - Validity – As this LLBs[4] system would provide both fulfillment and a dopamine rush to users, it would encourage the user to keep edging at their LLI[5].

- **Social Media Sharing (Low)**
A way for users to celebrate their progress or accomplishment of the LLIs[5], is by creating custom content that users can share on social media platforms. Each LLI[5] will have the option to be shared on social media. Lifelog will pre generate a post highlighting the current status of the LLI[5], ready for the user to share. This feature will boost the user's motivation because they will feel a sense of public accountability when they post to their socials and this in turn also acts as a way to promote our application through the users. In turn, social media posting from users will increase our reach and user retention.
  - Implementation – Uses API[5] provided by social media platforms in order to share accomplishments
  - Validity – Letting users post to their social media accounts gives the users public accountability, and even motivates them if they get positive feedback through likes or comments on their social media accounts.

- **Personalized Lifelog Reminders (Medium)**
  Help users remain engaged on their journey. Reminders take the form of emails, with customizable email focus and email frequency. The emails can also be turned off/on giving the user more control over the reminder system. Email reminders could help some users maximize engagement with Lifelog, and can be turned off for users who find them overbearing.
    - Implementation – An email would be sent to the user reminding them of an achievement that they had accomplished in the past, or a LLI[5] they created for the future. In app settings will allow users to customize these emails.
    - Validity – The notification will remind users of their past accomplishments, or what they hope to accomplish in the future. This reminder will help some users stay engaged and ultimately accomplish their LLIs[5].

High Complexity

- **User media upload (High)**
  Enable users to store media from their experiences or events, offering them the opportunity to revisit memories they build with Lifelog. These media mementos from times of accomplishment will help users to stay engaged with the app.
    - Implementation– Media file uploads can be attached to every LLI[5]. These media files will be stored in a database and will be private for each user.
    - Validity – These media files will provide a way for the user to keep track of what they have accomplished, and allow them to cherish these memories later on.

- **Pathfinding for LLI[5] (High)**
  By weaving this feature into Lifelog, which involves identifying vendors to help accomplish the users goals, users are promoted towards achieving their aspirations. With this feature and the Lifelog hand in hand the user would have more means to making life more fulfilling and memorable for users.
    - Implementation – Given a LLI[5], the app will automatically find venues for the LLI[5] near the user using the Yelp API[5], if possible.
    - Validity – Having the nearby venues to carry out a LLI[5] will help the user carry through with their plans.

- **Lifelog Item Visualization (High)**
  Lifelog will provide a pie chart data visualization[3], showing users what type of activities they tend towards. This visualization will provide users with unique insights into what type of goals they tend to set, providing them with the information they need to become more complete, and accomplish more unique goals.
    - Implementation – Start data collection of user's LLI[5] and storing data in the database. Shows a pie chart of the collected data to each user (public). Use predetermined information or API[5] to give to users to help accomplish their goals.
    - Validity – The visualizations will allow the user to see how far they have come in terms of accomplishing their goals. This will motivate them to continue on with their journey.

- **The Lifelog Calendar (High)**
  Lets users effortlessly schedule and visualize their life goals. Users create profiles with their LLI[5], and each LLI[5] can be added to the calendar with a specific completion date. By clicking on an event it reveals details and progress tracking. There will be privacy controls that help users safeguard sensitive information about their LLI[5].
  - Implementation– Will be a main UI on the web app. Any specific events on the calendar will be stored in a database
  - Validity – Provides users with an organized timeline, allowing them to plan future activities and also gain a clear visualization of when their LLIs[5] will be realized.

- **Interactive geospatial map (High)**
  Allows users to accurately geotag[5] their LLIs[5]. When geotagged the locations will be pinned onto the map, along with metadata like photos, date and time that the users provide when making a pin. This feature aims to encourage users to explore more and add more pins to their map.
  - Implementation – User provided geolocation will be be used with an API[5] for generating customizable maps
  - Validity – Provides users with a more engaging and visually appealing way to view their accomplishments but also reinforces their commitment to fulfilling their long-term aspirations.

Phase 2

- **Connection Portal**
  Allows the user to shuffle through cards that display other users with similar LLI[5] to them. This cultivates a strong sense of community within the app and facilitates connections with like-minded people who share their similar interests, further giving users a reason to return to the app.

- **Mobile Application**
  An implementation of the web app as a mobile application. The mobile implementation will include all of the webapp's existing features. A mobile implementation will make it easier for new users to utilize the app, while highlighting opportunities for new features.

- **Cost Estimation Tool**
  A tool that estimates the cost of each LLI[5], taking into account factors like transportation, activities, and dining. Estimating the cost for our users will help them to plan the logistics of accomplishing their bucket list items, making it even easier for Lifelog users to accomplish their LLIs[5]

- **Third Party Integration**
  Marks the event to a third party calendar, like Google or Outlook. This will integrate users LLI[5] with their more general calendar app, to help the Lifelog involve itself with users' lives.

- **User Data Visualization[3]**
  A user data representation feature that transforms individual data into a comprehensible graph. This graph facilitates comparison between different Lifelog users, and highlights how other Lifelog users are using the app in comparison to you. This feature will help our users in becoming more dynamic individuals, and help highlight potential areas for personal evolution.

Glossary Of Terms

- *Business Terms*

1. Advertising Revenue: Earning money by displaying ads on a platform or website, with revenue often tied to the number of impressions or clicks.

2. Cost Estimation Tool – A Cost Estimation Tool is a software application or system designed to help businesses, organizations, or individuals calculate and project the costs associated with a particular project, product, service, or endeavor.

3. Freemium Model: Offering a basic version of a product or service for free and charging for premium features or content.

4. LLB: Acronym for Lifelog Badge(s)

5. LLI: Acronym for Lifelog Item(s)

6. Monetization: The process of generating revenue or profit from a product, service, or asset.

7. Revenue Model: A strategy or plan that outlines how a business intends to generate income, often through various monetization methods.

8. Subscription Model: A monetization strategy where customers pay a recurring fee to access a product or service on an ongoing basis.

- *Technical Terms*

1. API: Application Programming Interface, is a set of rules, protocols, and tools that allows different software applications to communicate with each other.

2. Back End: The non user facing components of our software, users will not see these components, and will interact with them indirectly.

3. Data Visualization: The representation of Lifelog data through charts, graphs, or maps for better comprehension.

4. Front End: The user facing components of our software, those components our users see and use.

5. Geotagging: The process of adding geographical metadata, like coordinates, to items on a Lifelog to identify their location.

6. Push Notification: A technical term for sending reminders and updates to users, like reminding them of their LLI[5]

7. Recommendation Engine: A system that employs algorithms to suggest new LLI[5] based on user behavior and interests.

References

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