

PYTHON CO-DESIGN **PROJECT**

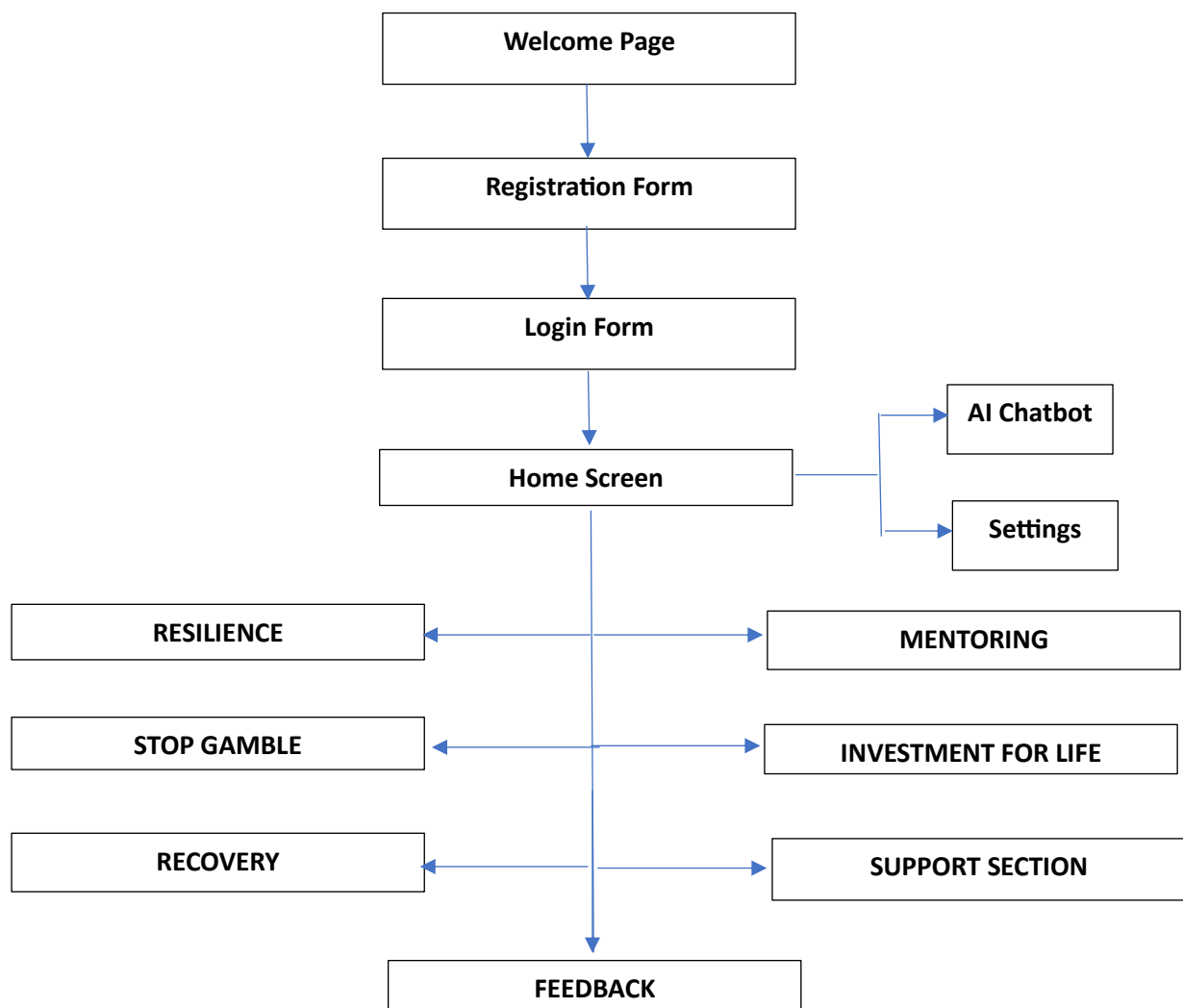
Team -08: Gamble Guard
(A Rehabilitation App for Gambling Addicted
People)

Proposal Document

Team Members:

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- **Introduction:** In a world where gambling is just a tap away, staying in control can be a challenge, especially for those battling addiction. Introducing Gamble Guard, a program designed to help individuals regain freedom from gambling by blocking access to gambling sites directly on their phones or computers. Gamble Guard empowers users by creating a safe digital environment, free from the temptations of online gambling.
- **Problem Statement:** With the increasing accessibility of online gambling platforms, many individuals struggle with gambling addiction or find themselves spending excessive time and money on such sites. This not only impacts their financial stability but can also lead to significant psychological and social issues.
We are here to help users maintain control over their online behaviour and promote responsible internet usage.
We will block various forms of online gambling sites including sports betting, casino games, and poker. We allow users to customize gambling limits daily, weekly, or monthly spending caps, as well as time-based access restrictions. Also providing users with access to educational materials and support for those who may need help.
- **Block Diagram:**



- **Algorithm:**

Step 1: Start

Step 2: Create GUI elements: labels, entry fields, buttons, and a text widget For Welcome, Registration/Login Form

Step 3: if new user,

function to register user

else,

login

Step 4: if login credentials are valid

display successfully logged in

else

display invalid credentials

Step 5: Define functions for user to select from resilience, mentoring, stop gamble, investment for life, recovery, support section and feedback using switch statements.

- resilience: mindfulness and coping strategies and exercises

- display list of exercising steps

- mentoring: educational and awareness videos

- display list of videos

- block gamble: blocking and limiting features

- input for website link

- function to block

- if blocked

- display message successfully blocks,

- else

- error

- investment for life: some amount to be saved for life, instead of betting

- function to create a guard wallet.

- if bank account already linked,

- input for amount to be saved

-else,

Function to link a bank account

- recovery: recovery rate and chart
 - display pie chart and bar graph
- support section: Counselling Doctor details, Emergency Help
 - display list of Counselling doctor clinic details
 - button for emergency
 - function to call the emergency number
- feedback:
 - inputs for feedback form
 - display message “Thankyou”

Step 6: Implement functions to display each process

Step 7: Configure GUI elements to call the appropriate functions

Step 8: Run the main loop to start the GUI application

Step 9: End

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- **Flowchart:**
[Click here to see the flowchart](#)
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- **Specifications:**

1. Welcome Screen

- **Title:** "Welcome to Gamble Guard"
 - **Subtitle:** "Take control of your habits"
 - **CTA Button:** "Get Started (Register or Login)"
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2. Registration Page

- **Title:** "Register Your Self"
 - **Input:** Name, Age/Dob, Email, contact no, Email-id Set username, Password
 - **CTA Button:** "Register"
 - **Output:** "Registration Successful"
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3. Login Page

- **Title:** "Login"
 - **Input:** Username, Password
 - **CTA Button:** "Login"
 - **Output:** "Login Successful"
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4. Home Screen (Dashboard)

- **Top Section (Header):**
 - **User's Name:** "Welcome back, [User Name]!"
 - **Daily Tip:** "Did you know? Investing as little as \$5 a day can turn into \$1,800 a year!"
 - **Main Body: (Swipe-through)**
 - **Screen 1:**
 - **CTA Button:** " RESILIENCE"
 - **Title:** Mindfulness, Coping Strategies and Exercises
 - **Screen 2:**
 - **CTA Button:** " MENTORING"
 - **Title:** Educational and Awareness Videos for Stability
 - **Screen 3:**
 - **CTA Button:** "BLOCK GAMBLE"
 - **Title:** Block and limit Gambling Sites
 - **Screen 4:**
 - **CTA Button:** "INVESTMENT FOR LIFE"
 - **Title:** Replace bad habits with savings & investments
 - **Screen 5:**
 - **CTA Button:** "Rehabilitation Journey"
 - **Title:** Your Gambling Recovery
 - **Screen 6:**
 - **CTA Button:** " SUPPORT SECTION"
 - **Title:** Counsellor Consultant, Emergency Help
 - **Screen 7:**
 - **CTA Button:** " FEEDBACK"
 - **Title:** Tell us How Our App Help You Cope up with gambling
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5. Screen 1:

- **Title:** Mindfulness and Coping Strategies Exercises
 - **CTA Button:** "Back"
 - **Output:** List Of Exercising Steps
 - **Motive:** This function will provide list of exercise instructions for the user to relive from mental stress and panics.
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6. Screen 2:

- **Title:** Educational and Awareness Videos for Stability
 - **CTA Button:** “Back”
 - **Output:** List Of Videos
 - **Motive:** This function will provide list of Educational and Awareness YouTube Videos for the user to be aware of Gambling addiction and its bad effects also provide a list of information and contact numbers of counselling doctors.
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7. Screen 3:

- **Title:** Block and limit Gambling Sites
 - **Input:** “Enter 'Website Link' To Block”
 - **CTA Button:** “Back, Block”
 - **Motive:** This function will accept a link from the user to block a particular betting website that the user wishes not to use for certain period of time.
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8. Screen 4:

- **Title:** Replace bad habits with savings & investments
 - **Input:** “(Prior link Bank Account, Bank Details), Enter Amount”
 - **CTA Button:** “Back, Save”
 - **Motive:** This function will allow the user to save money in their life wallet instead of betting it.
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9. Screen 5:

- **Title:** Your Gambling Recovery
 - **Pie Chart/Bar Graph:** Time Spent & money Save each week/month.
 - **CTA Button:** “Back”
 - **Motive:** This function will display the recovery rates of the user based on their activity on RESELIENCE and MENTORING functions using percentages and pie charts.
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10. Screen 6:

- **Title:** Counsellor Consultant, Emergency Help
- **Output:** List of Professional Counsellor and Their Clinic Details.
- **CTA Button:** “Back, Emergency Help”
- **Motive:** Help user book appointment with counsellor and emergency call button in emergency situations.

11. Screen 7:

- **Title:** Tell us How Our App Help You Cope up with gambling
 - **Input:** Feedback Form
 - **Output:** “Thankyou”
 - **CTA Button:** “Back”
 - **Motive:** This function will Let user fill out a Survey form for understanding how our app helps them to cope up.
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12. Settings

- **Profile Information:** Manage personal data.
 - **Notifications:** Customize reminders for savings, investments, and milestones (like days without gambling).
 - **CTA Button:** On/Off
 - **Language & Accessibility:**
 - **Textbox:** Language options, font sizes, and dark mode
 - **CTA Button:** “Back”
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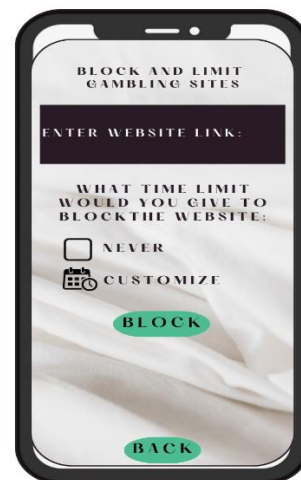
13. AI Chatbot

- **Input:** User Statements
 - **Output:** Relevant Answer to the Statement
 - **CTA Button:** “Back”
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14. Overall layout

- **Background:** Calm colours (e.g., light blues or greens) to promote relaxation.
 - **Illustration:** A soothing image symbolizing freedom from addiction, like a path leading forward or hands letting go of dice and a Gamble Guard Logo.
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• Design Layout:



- **Use and Test Cases:**

This innovative application ‘Gamble Guard’ offers a secure and supportive environment for individuals struggling with gambling addiction. First use case is the registration of user, upon signing up users create a personalized account, providing essential information for tailored support. The login feature ensures seamless access to various functions. Users can explore educational videos, physical coping strategies, and recovery resources. The application also enables users to manage settings, engage with an AI chatbot for instant support and clarification, and track their recovery progress. Additionally, users can provide valuable feedback on their experience.

Module 1: Home Page

Use Case 1: User Registration/Sign Up

- **Input:**
User provides their Name, DOB, contact no, Set username, valid Email ID and Password for signup.
- **Expected Output:**
A new account is successfully created, and the user is redirected to the dashboard.

Use Case 2: User Login

- **Input:**
User provides their valid Username and Password for login credentials.
- **Expected Output:**
The user is successfully logged in and redirected to the dashboard.

Use Case 3:

- **Input:**
Choose Any of the Functions available.
- **Expected Output:** Redirect to the page specific to that function.

User case 4:

-Setting features to manage their app setting, personal information etc.

User case 5:

-An AI chatbot is associated for the user to chat, explore information and clear its doubt

Module 2: Function and Operations

The user is directed to specific features like blocking, educational videos, recovery, or investment.

Use Case 1: Physical Coping Strategies

-View and use the Exercise Given for maintaining stress, controlling anger and mental stability.

Use Case 2: Educational and Awareness Videos

- Real-life videos are shown to the user, raising awareness of betting addiction.

Use Case 3: Enable Blocking

- **Input:**
User selects the option to enable blocking or limiting features.
- **Expected Output:**
The system enables betting limits or blocks further activity and applies a traffic limit if needed.

Use Case 4: Investment Decision

- **Input:**
User decides whether to invest in life packages.
- **Expected Output:**
If the user decides to invest, the available packages are displayed, and the user can activate the package or user can save as per it wishes to.

Use Case 5: View Recovery Data

-The system displays the recovery progress and charts based on user input.

Use Case 6: Support

-Providing support to the user in not only through app but in real life with doctors

Use Case 7: Feedback

-User provides feedback what he/she feels about how our app helped them to redirect from gambling addiction.

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- **Conclusion:** We hope that Gamble Guard not only assists users in avoiding gambling sites but also encourages a greater understanding of the potential consequences of excessive gambling. As we move forward, the program will continuously adapt and improve, ensuring that it remains effective in meeting the needs of its users. Ultimately, "Gamble Guard" promotes responsible online behaviour and supports individuals on their journey towards healthier choices.

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