

Elderly Care App Mind Map

Chatbot Interaction

- General interaction
- Talk to the chatbot
- Voice recognition
- Chatbot voice response
- Chat History

- BlenderBot AI Model
- Speech-to-Text
- Text-to-Speech

- Datasets
- AssemblyAI API
- SpeechSynthesis API

- DailyDialog
- OpenSubtitles
- Persona-Chat
- TalkBank

- Store user messages
- Sentiment analysis of messages

- Immediate analysis
- Overall sentiment calculation upon chat closure
- Bert Model

Health Monitoring

- Health Data Input
 - User profiles
 - Health history
 - Ongoing symptoms tracking
- Health AI Models
 - Cardiovascular Model
 - Diabetes Model
- Health Data Output
 - Health risk level

- Analyze user health data
- Generate responses based on cardiovascular health
- Suggestions for improving heart health
- Analyze user health data
- Generate responses based on diabetes management
- Suggestions for improving diabetes-related health

- Random Forest Model
- Random Forest Model

Suggestions

- Personal Health Improvement Tips
 - Diet recommendations
 - Exercise suggestions

Accessibility Features

- Large text option
- High-contrast color scheme
- Simple interface for elderly users
- Voice commands and responses

Future Enhancements

- Community features
 - User forums
 - Group activities and challenges
- Insights into mood trends over time
- Notifications
 - Reminders for health checks and medications
 - Suggestions based on periodic health updates

Data Security

- User data encryption
- Privacy settings