<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Task-Friendly AI App - Excel Structure</title>

<style>

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);

min-height: 100vh;

color: #333;

overflow-x: auto;

}

.container {

max-width: 1400px;

margin: 0 auto;

padding: 20px;

}

.header {

text-align: center;

margin-bottom: 30px;

color: white;

}

.header h1 {

font-size: 2.5rem;

margin-bottom: 10px;

text-shadow: 2px 2px 4px rgba(0,0,0,0.3);

}

.header p {

font-size: 1.1rem;

opacity: 0.9;

}

.download-section {

background: white;

border-radius: 15px;

padding: 25px;

margin-bottom: 30px;

box-shadow: 0 10px 30px rgba(0,0,0,0.2);

text-align: center;

}

.download-btn {

background: linear-gradient(45deg, #4CAF50, #45a049);

color: white;

padding: 15px 30px;

border: none;

border-radius: 25px;

font-size: 1.1rem;

font-weight: bold;

cursor: pointer;

transition: all 0.3s ease;

text-decoration: none;

display: inline-block;

margin: 10px;

}

.download-btn:hover {

transform: translateY(-2px);

box-shadow: 0 5px 15px rgba(76, 175, 80, 0.4);

}

.tabs-container {

display: flex;

flex-wrap: wrap;

gap: 20px;

margin-bottom: 30px;

}

.tab-selector {

background: white;

border: none;

padding: 12px 25px;

border-radius: 25px;

cursor: pointer;

font-weight: bold;

transition: all 0.3s ease;

box-shadow: 0 4px 15px rgba(0,0,0,0.1);

}

.tab-selector.active {

background: linear-gradient(45deg, #667eea, #764ba2);

color: white;

transform: translateY(-2px);

}

.tab-content {

display: none;

background: white;

border-radius: 15px;

padding: 25px;

box-shadow: 0 10px 30px rgba(0,0,0,0.2);

margin-bottom: 20px;

}

.tab-content.active {

display: block;

}

.table-container {

overflow-x: auto;

margin: 20px 0;

}

table {

width: 100%;

border-collapse: collapse;

background: white;

border-radius: 10px;

overflow: hidden;

box-shadow: 0 5px 15px rgba(0,0,0,0.1);

}

th, td {

padding: 12px 15px;

text-align: left;

border-bottom: 1px solid #e0e0e0;

}

th {

background: linear-gradient(45deg, #667eea, #764ba2);

color: white;

font-weight: bold;

text-transform: uppercase;

font-size: 0.9rem;

}

tr:hover {

background-color: #f8f9ff;

}

.relationship-info {

background: #e3f2fd;

padding: 15px;

border-radius: 10px;

margin: 15px 0;

border-left: 4px solid #2196F3;

}

.feature-grid {

display: grid;

grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));

gap: 20px;

margin: 20px 0;

}

.feature-card {

background: linear-gradient(135deg, #f5f7fa 0%, #c3cfe2 100%);

padding: 20px;

border-radius: 12px;

box-shadow: 0 5px 15px rgba(0,0,0,0.1);

transition: transform 0.3s ease;

}

.feature-card:hover {

transform: translateY(-5px);

}

.feature-card h3 {

color: #333;

margin-bottom: 15px;

font-size: 1.3rem;

}

.feature-list {

list-style: none;

padding: 0;

}

.feature-list li {

padding: 8px 0;

border-bottom: 1px solid rgba(0,0,0,0.1);

position: relative;

padding-left: 20px;

}

.feature-list li:before {

content: "✓";

color: #4CAF50;

font-weight: bold;

position: absolute;

left: 0;

}

.note {

background: #fff3cd;

border: 1px solid #ffeaa7;

border-radius: 8px;

padding: 15px;

margin: 15px 0;

color: #856404;

}

.highlight {

background: #ffeaa7;

padding: 2px 6px;

border-radius: 4px;

font-weight: bold;

}

@media (max-width: 768px) {

.container {

padding: 10px;

}

.header h1 {

font-size: 2rem;

}

.tabs-container {

flex-direction: column;

}

.tab-selector {

width: 100%;

text-align: center;

}

}

</style>

</head>

<body>

<div class="container">

<div class="header">

<h1>🎯 Task-Friendly AI App</h1>

<p>Complete Excel Structure for Glide App Development</p>

</div>

<div class="download-section">

<h2>📊 Excel Structure Ready for Glide</h2>

<p>This structure includes all tables, relationships, and data needed for your task management app.</p>

<button class="download-btn" onclick="downloadExcel()">📥 Download Excel File</button>

<button class="download-btn" onclick="downloadCSV()">📋 Download CSV Package</button>

</div>

<div class="tabs-container">

<button class="tab-selector active" onclick="showTab('overview')">📋 Overview</button>

<button class="tab-selector" onclick="showTab('tables')">📊 Tables Structure</button>

<button class="tab-selector" onclick="showTab('relationships')">🔗 Relationships</button>

<button class="tab-selector" onclick="showTab('sample-data')">💾 Sample Data</button>

</div>

<div id="overview" class="tab-content active">

<h2>📋 App Structure Overview</h2>

<div class="feature-grid">

<div class="feature-card">

<h3>🚀 Core Features</h3>

<ul class="feature-list">

<li>User Authentication & Onboarding</li>

<li>8 Goal Categories with Custom Tasks</li>

<li>AI-Powered Motivational Support</li>

<li>Progress Tracking & Streaks</li>

<li>Calendar Integration</li>

<li>Daily Journaling (Text/Voice)</li>

<li>Task Completion Analytics</li>

</ul>

</div>

<div class="feature-card">

<h3>👥 Social Features</h3>

<ul class="feature-list">

<li>Private Group Creation</li>

<li>Public Forum Participation</li>

<li>Group Task Sharing</li>

<li>Photo Upload & Sharing</li>

<li>Group Chat (Text/Voice)</li>

<li>Invite Friends System</li>

<li>Group Progress Tracking</li>

</ul>

</div>

<div class="feature-card">

<h3>🎯 Goal Categories</h3>

<ul class="feature-list">

<li>Boost My Energy</li>

<li>Create a Routine</li>

<li>Declutter & Organize</li>

<li>Track Pet Care</li>

<li>Get Things Done</li>

<li>Find Motivation</li>

<li>Plan an Event</li>

<li>Manage ADHD</li>

</ul>

</div>

<div class="feature-card">

<h3>⭐ Premium Features</h3>

<ul class="feature-list">

<li>Advanced Group Management</li>

<li>Unlimited Private Groups</li>

<li>Enhanced AI Coaching</li>

<li>Priority Support</li>

<li>Advanced Analytics</li>

<li>Custom Goal Creation</li>

<li>Export Data Options</li>

</ul>

</div>

</div>

</div>

<div id="tables" class="tab-content">

<h2>📊 Database Tables Structure</h2>

<div class="note">

<strong>Note:</strong> Each table below will be a separate sheet in your Excel file. Column types are optimized for Glide.

</div>

<h3>👤 Users Table</h3>

<div class="table-container">

<table>

<thead>

<tr>

<th>Column Name</th>

<th>Data Type</th>

<th>Description</th>

<th>Required</th>

</tr>

</thead>

<tbody>

<tr><td>UserID</td><td>Text</td><td>Primary key (auto-generated)</td><td>✓</td></tr>

<tr><td>Email</td><td>Email</td><td>User email address</td><td>✓</td></tr>

<tr><td>Name</td><td>Text</td><td>User's full name</td><td>✓</td></tr>

<tr><td>ProfilePicture</td><td>Image</td><td>User profile image</td><td></td></tr>

<tr><td>JoinDate</td><td>Date</td><td>Account creation date</td><td>✓</td></tr>

<tr><td>CurrentStreak</td><td>Number</td><td>Current daily streak</td><td></td></tr>

<tr><td>TotalTasksCompleted</td><td>Number</td><td>Lifetime completed tasks</td><td></td></tr>

<tr><td>IsPremium</td><td>Boolean</td><td>Premium subscription status</td><td></td></tr>

<tr><td>PreferredGoals</td><td>Text</td><td>Comma-separated goal IDs</td><td></td></tr>

<tr><td>OnboardingComplete</td><td>Boolean</td><td>Has completed onboarding</td><td></td></tr>

<tr><td>ADHDFriendly</td><td>Boolean</td><td>Enable ADHD-friendly features</td><td></td></tr>

<tr><td>NotificationsEnabled</td><td>Boolean</td><td>Push notifications preference</td><td></td></tr>

</tbody>

</table>

</div>

<h3>🎯 Goal Categories Table</h3>

<div class="table-container">

<table>

<thead>

<tr>

<th>Column Name</th>

<th>Data Type</th>

<th>Description</th>

<th>Required</th>

</tr>

</thead>

<tbody>

<tr><td>GoalID</td><td>Text</td><td>Primary key</td><td>✓</td></tr>

<tr><td>GoalName</td><td>Text</td><td>Display name</td><td>✓</td></tr>

<tr><td>GoalDescription</td><td>Text</td><td>Detailed description</td><td></td></tr>

<tr><td>GoalIcon</td><td>Text</td><td>Icon/emoji representation</td><td></td></tr>

<tr><td>GoalColor</td><td>Text</td><td>Theme color (hex code)</td><td></td></tr>

<tr><td>DefaultTasks</td><td>Text</td><td>Pre-defined task templates</td><td></td></tr>

<tr><td>ADHDOptimized</td><td>Boolean</td><td>ADHD-friendly features</td><td></td></tr>

<tr><td>IsActive</td><td>Boolean</td><td>Available for selection</td><td>✓</td></tr>

</tbody>

</table>

</div>

<h3>✅ Tasks Table</h3>

<div class="table-container">

<table>

<thead>

<tr>

<th>Column Name</th>

<th>Data Type</th>

<th>Description</th>

<th>Required</th>

</tr>

</thead>

<tbody>

<tr><td>TaskID</td><td>Text</td><td>Primary key</td><td>✓</td></tr>

<tr><td>UserID</td><td>Text</td><td>Foreign key to Users</td><td>✓</td></tr>

<tr><td>GoalID</td><td>Text</td><td>Foreign key to Goals</td><td>✓</td></tr>

<tr><td>TaskTitle</td><td>Text</td><td>Task name</td><td>✓</td></tr>

<tr><td>TaskDescription</td><td>Text</td><td>Detailed description</td><td></td></tr>

<tr><td>DueDate</td><td>Date</td><td>Task due date</td><td></td></tr>

<tr><td>Priority</td><td>Text</td><td>High, Medium, Low</td><td></td></tr>

<tr><td>IsCompleted</td><td>Boolean</td><td>Completion status</td><td></td></tr>

<tr><td>CompletedDate</td><td>Date</td><td>Date completed</td><td></td></tr>

<tr><td>IsRecurring</td><td>Boolean</td><td>Recurring task flag</td><td></td></tr>

<tr><td>RecurrencePattern</td><td>Text</td><td>Daily, Weekly, Monthly</td><td></td></tr>

<tr><td>CreatedDate</td><td>Date</td><td>Task creation date</td><td>✓</td></tr>

<tr><td>IsCustom</td><td>Boolean</td><td>User-created task</td><td></td></tr>

<tr><td>GroupID</td><td>Text</td><td>Associated group (if any)</td><td></td></tr>

<tr><td>SkipCount</td><td>Number</td><td>Number of times skipped</td><td></td></tr>

<tr><td>LastSkipReason</td><td>Text</td><td>Reason for last skip</td><td></td></tr>

</tbody>

</table>

</div>

<h3>👥 Groups Table</h3>

<div class="table-container">

<table>

<thead>

<tr>

<th>Column Name</th>

<th>Data Type</th>

<th>Description</th>

<th>Required</th>

</tr>

</thead>

<tbody>

<tr><td>GroupID</td><td>Text</td><td>Primary key</td><td>✓</td></tr>

<tr><td>GroupName</td><td>Text</td><td>Group display name</td><td>✓</td></tr>

<tr><td>GroupDescription</td><td>Text</td><td>Group description</td><td></td></tr>

<tr><td>CreatorID</td><td>Text</td><td>Foreign key to Users</td><td>✓</td></tr>

<tr><td>CreatedDate</td><td>Date</td><td>Group creation date</td><td>✓</td></tr>

<tr><td>IsPrivate</td><td>Boolean</td><td>Private vs public group</td><td>✓</td></tr>

<tr><td>GoalFocus</td><td>Text</td><td>Primary goal category</td><td></td></tr>

<tr><td>MemberLimit</td><td>Number</td><td>Maximum members allowed</td><td></td></tr>

<tr><td>GroupIcon</td><td>Image</td><td>Group profile picture</td><td></td></tr>

<tr><td>IsActive</td><td>Boolean</td><td>Group active status</td><td>✓</td></tr>

<tr><td>InviteCode</td><td>Text</td><td>Unique invite code</td><td></td></tr>

<tr><td>IsPremiumOnly</td><td>Boolean</td><td>Premium feature flag</td><td></td></tr>

</tbody>

</table>

</div>

<h3>🔗 Group Members Table</h3>

<div class="table-container">

<table>

<thead>

<tr>

<th>Column Name</th>

<th>Data Type</th>

<th>Description</th>

<th>Required</th>

</tr>

</thead>

<tbody>

<tr><td>MembershipID</td><td>Text</td><td>Primary key</td><td>✓</td></tr>

<tr><td>GroupID</td><td>Text</td><td>Foreign key to Groups</td><td>✓</td></tr>

<tr><td>UserID</td><td>Text</td><td>Foreign key to Users</td><td>✓</td></tr>

<tr><td>JoinDate</td><td>Date</td><td>Date joined group</td><td>✓</td></tr>

<tr><td>Role</td><td>Text</td><td>Admin, Moderator, Member</td><td>✓</td></tr>

<tr><td>IsActive</td><td>Boolean</td><td>Active membership status</td><td>✓</td></tr>

<tr><td>NotificationsEnabled</td><td>Boolean</td><td>Group notifications</td><td></td></tr>

</tbody>

</table>

</div>

<h3>📓 Journal Entries Table</h3>

<div class="table-container">

<table>

<thead>

<tr>

<th>Column Name</th>

<th>Data Type</th>

<th>Description</th>

<th>Required</th>

</tr>

</thead>

<tbody>

<tr><td>JournalID</td><td>Text</td><td>Primary key</td><td>✓</td></tr>

<tr><td>UserID</td><td>Text</td><td>Foreign key to Users</td><td>✓</td></tr>

<tr><td>EntryDate</td><td>Date</td><td>Journal entry date</td><td>✓</td></tr>

<tr><td>EntryText</td><td>Text</td><td>Text content</td><td></td></tr>

<tr><td>VoiceNote</td><td>File</td><td>Voice recording</td><td></td></tr>

<tr><td>Mood</td><td>Text</td><td>Daily mood rating</td><td></td></tr>

<tr><td>IsPrivate</td><td>Boolean</td><td>Privacy setting</td><td>✓</td></tr>

<tr><td>GroupID</td><td>Text</td><td>Shared with group (if any)</td><td></td></tr>

<tr><td>CreatedTime</td><td>Date</td><td>Entry creation timestamp</td><td>✓</td></tr>

</tbody>

</table>

</div>

<h3>💬 Group Messages Table</h3>

<div class="table-container">

<table>

<thead>

<tr>

<th>Column Name</th>

<th>Data Type</th>

<th>Description</th>

<th>Required</th>

</tr>

</thead>

<tbody>

<tr><td>MessageID</td><td>Text</td><td>Primary key</td><td>✓</td></tr>

<tr><td>GroupID</td><td>Text</td><td>Foreign key to Groups</td><td>✓</td></tr>

<tr><td>SenderID</td><td>Text</td><td>Foreign key to Users</td><td>✓</td></tr>

<tr><td>MessageText</td><td>Text</td><td>Message content</td><td></td></tr>

<tr><td>VoiceMessage</td><td>File</td><td>Voice message file</td><td></td></tr>

<tr><td>ImageAttachment</td><td>Image</td><td>Image attachment</td><td></td></tr>

<tr><td>SentTime</td><td>Date</td><td>Message timestamp</td><td>✓</td></tr>

<tr><td>MessageType</td><td>Text</td><td>Text, Voice, Image, System</td><td>✓</td></tr>

<tr><td>IsEdited</td><td>Boolean</td><td>Edit status</td><td></td></tr>

<tr><td>EditedTime</td><td>Date</td><td>Last edit timestamp</td><td></td></tr>

</tbody>

</table>

</div>

<h3>🎯 AI Motivational Content Table</h3>

<div class="table-container">

<table>

<thead>

<tr>

<th>Column Name</th>

<th>Data Type</th>

<th>Description</th>

<th>Required</th>

</tr>

</thead>

<tbody>

<tr><td>ContentID</td><td>Text</td><td>Primary key</td><td>✓</td></tr>

<tr><td>ContentType</td><td>Text</td><td>Quote, PepTalk, Encouragement</td><td>✓</td></tr>

<tr><td>ContentText</td><td>Text</td><td>Motivational content</td><td>✓</td></tr>

<tr><td>GoalID</td><td>Text</td><td>Associated goal category</td><td></td></tr>

<tr><td>TriggerEvent</td><td>Text</td><td>When to show content</td><td></td></tr>

<tr><td>IsActive</td><td>Boolean</td><td>Content active status</td><td>✓</td></tr>

<tr><td>UsageCount</td><td>Number</td><td>Times used</td><td></td></tr>

<tr><td>CreatedDate</td><td>Date</td><td>Content creation date</td><td>✓</td></tr>

</tbody>

</table>

</div>

</div>

<div id="relationships" class="tab-content">

<h2>🔗 Table Relationships</h2>

<div class="note">

<strong>Important:</strong> These relationships should be configured in Glide using the relation columns and lookup columns.

</div>

<div class="relationship-info">

<h3>👤 Users → Tasks (One-to-Many)</h3>

<p><strong>Relationship:</strong> Users.UserID → Tasks.UserID</p>

<p><strong>Description:</strong> Each user can have multiple tasks</p>

<p><strong>Glide Setup:</strong> Create a relation column in Users table pointing to Tasks table</p>

</div>

<div class="relationship-info">

<h3>🎯 Goals → Tasks (One-to-Many)</h3>

<p><strong>Relationship:</strong> Goals.GoalID → Tasks.GoalID</p>

<p><strong>Description:</strong> Each goal category can have multiple tasks</p>

<p><strong>Glide Setup:</strong> Create a relation column in Goals table pointing to Tasks table</p>

</div>

<div class="relationship-info">

<h3>👥 Groups → Group Members (One-to-Many)</h3>

<p><strong>Relationship:</strong> Groups.GroupID → GroupMembers.GroupID</p>

<p><strong>Description:</strong> Each group can have multiple members</p>

<p><strong>Glide Setup:</strong> Create a relation column in Groups table pointing to GroupMembers table</p>

</div>

<div class="relationship-info">

<h3>👤 Users → Group Members (One-to-Many)</h3>

<p><strong>Relationship:</strong> Users.UserID → GroupMembers.UserID</p>

<p><strong>Description:</strong> Each user can be a member of multiple groups</p>

<p><strong>Glide Setup:</strong> Create a relation column in Users table pointing to GroupMembers table</p>

</div>

<div class="relationship-info">

<h3>👥 Groups → Group Messages (One-to-Many)</h3>

<p><strong>Relationship:</strong> Groups.GroupID → GroupMessages.GroupID</p>

<p><strong>Description:</strong> Each group can have multiple messages</p>

<p><strong>Glide Setup:</strong> Create a relation column in Groups table pointing to GroupMessages table</p>

</div>

<div class="relationship-info">

<h3>👤 Users → Journal Entries (One-to-Many)</h3>

<p><strong>Relationship:</strong> Users.UserID → JournalEntries.UserID</p>

<p><strong>Description:</strong> Each user can have multiple journal entries</p>

<p><strong>Glide Setup:</strong> Create a relation column in Users table pointing to JournalEntries table</p>

</div>

<div class="relationship-info">

<h3>🎯 Goals → AI Content (One-to-Many)</h3>

<p><strong>Relationship:</strong> Goals.GoalID → AIContent.GoalID</p>

<p><strong>Description:</strong> Each goal can have specific motivational content</p>

<p><strong>Glide Setup:</strong> Create a relation column in Goals table pointing to AIContent table</p>

</div>

<h3>📊 Computed Columns for Glide</h3>

<div class="feature-grid">

<div class="feature-card">

<h3>User Dashboard Metrics</h3>

<ul class="feature-list">

<li>Total Tasks Completed (Rollup)</li>

<li>Completion Percentage (Math)</li>

<li>Current Streak (Computed)</li>

<li>Tasks for Today (Relation + Filter)</li>

<li>Group Count (Rollup)</li>

<li>Recent Journal Entries (Relation + Filter)</li>

</ul>

</div>

<div class="feature-card">

<h3>Group Analytics</h3>

<ul class="feature-list">

<li>Member Count (Rollup)</li>

<li>Group Task Progress (Rollup)</li>

<li>Recent Messages (Relation + Filter)</li>

<li>Group Activity Score (Computed)</li>

<li>Top Contributors (Rollup)</li>

</ul>

</div>

</div>

</div>

<div id="sample-data" class="tab-content">

<h2>💾 Sample Data Structure</h2>

<div class="note">

<strong>Note:</strong> This sample data will be included in your Excel file to help you understand the structure and test your Glide app.

</div>

<h3>🎯 Sample Goal Categories</h3>

<div class="table-container">

<table>

<thead>

<tr>

<th>GoalID</th>

<th>GoalName</th>

<th>GoalDescription</th>

<th>GoalIcon</th>

<th>GoalColor</th>

<th>ADHDOptimized</th>