

Project Description:

QuickNotes is a lightweight task management app designed to support fast, distraction-free organization of daily to-dos. It enables users to create, edit, prioritize, and complete tasks with minimal friction, ideal for people managing busy schedules. The app is tailored for mobile-first, tech-savvy individuals like students or professionals who prefer simple interfaces and need a reliable tool to quickly capture and manage tasks on the go.

Requirements Summary:

MINIMUM REQUIREMENTS	Processor	Single Core 1.0 GHz
	OS	Android 5.0 (Lollipop) API Level 21
	RAM	1 GB
	Storage	50 MB available space
	Network	Not required (offline functionality)
RECOMMENDED REQUIREMENTS	Processor	Quad Core 1.4 GHz
	OS	Android 7.0 (Nougat) API Level 24
	RAM	4
	Storage	1GB available space
	Network	Wi-Fi or mobile data (for cloud sync)
OTHER REQUIREMENTS	Permissions	Notifications, Alarm & Reminders
	Battery Optimization	Unrestricted background activity for reliable notifications
	Display	5.0" minimum screen size recommended

Table 1. System Requirements

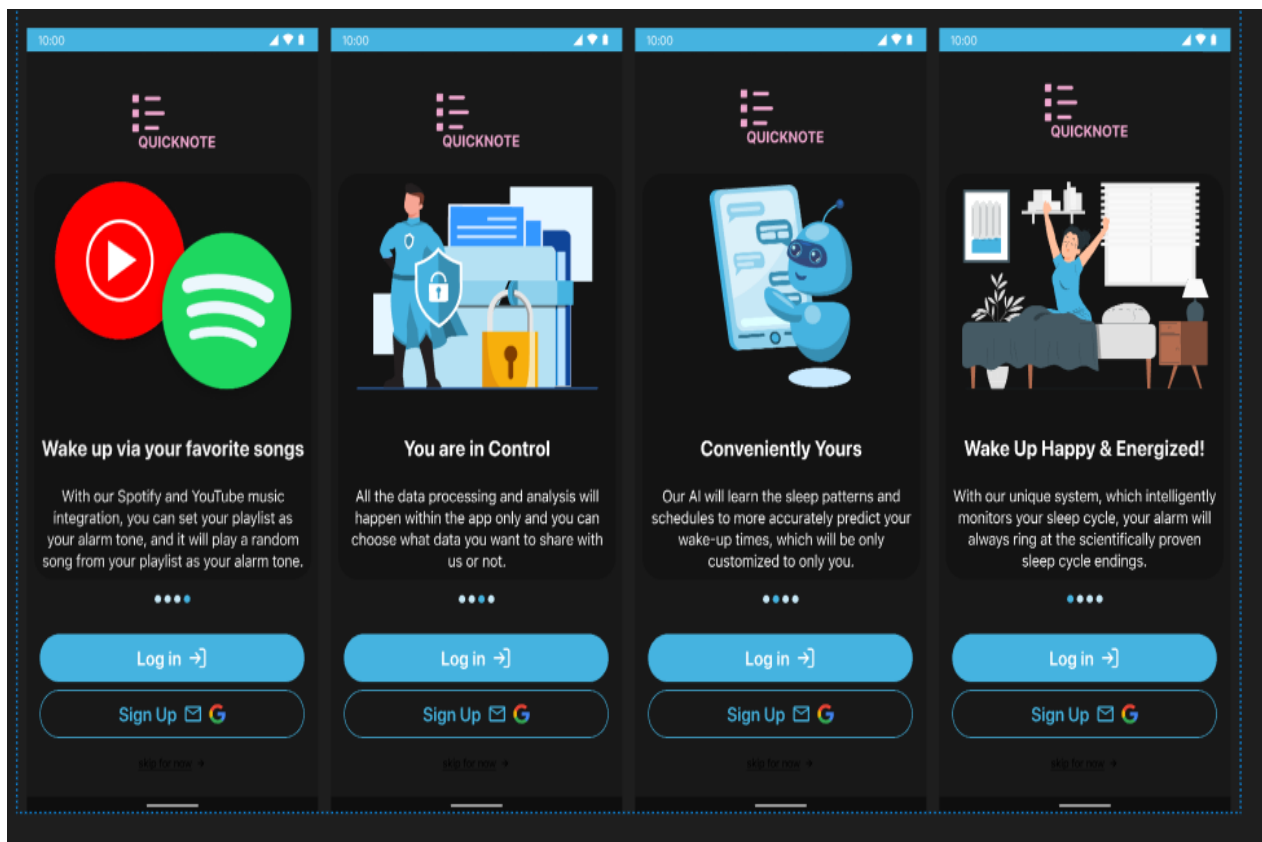
QuickNotes is designed as a lightweight task management application with minimal system requirements to ensure broad device compatibility. The app functions efficiently on older Android devices while providing optimal performance on modern smartphones with standard specifications.

Prototype Description:

The Prototype was created with the use of Figma. This is because Figma is an interactive Prototyping Software/Website that can easily be distributed to testers with the use of links sent by the developers.

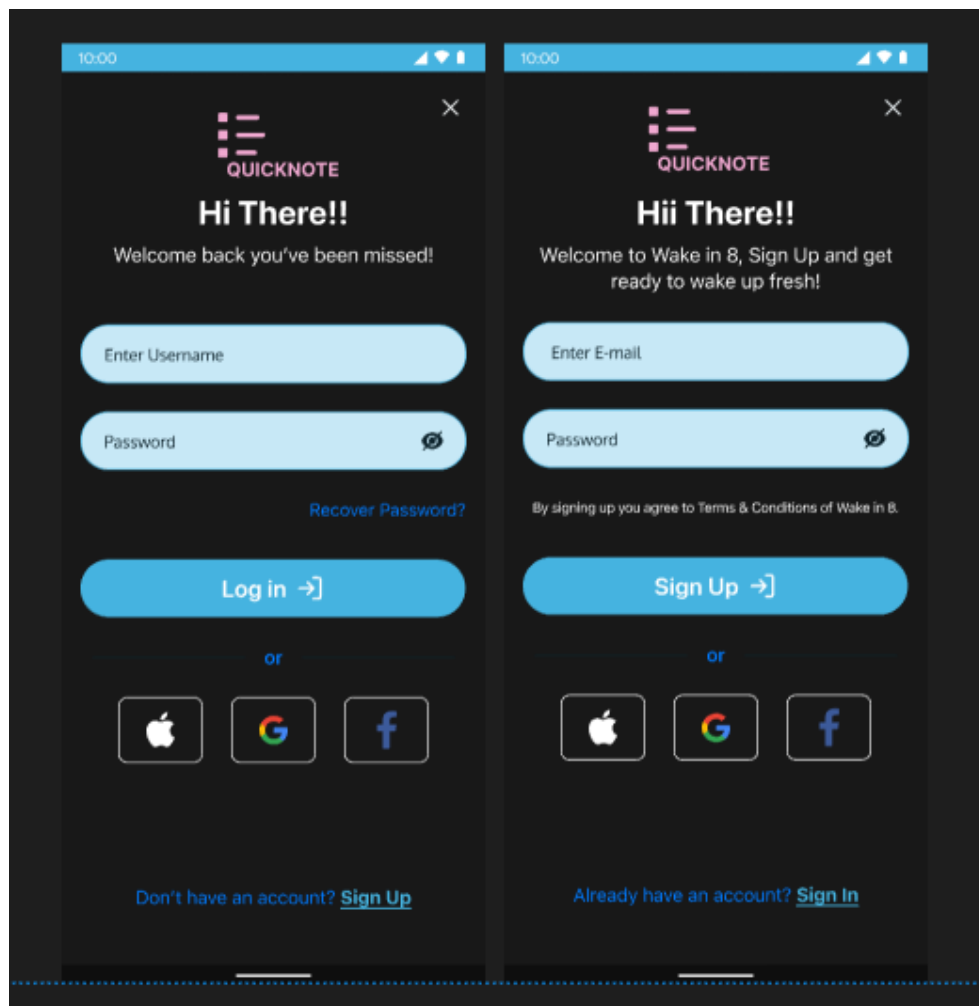
QuickNotes Mock-up/Prototype:

Splash Screen



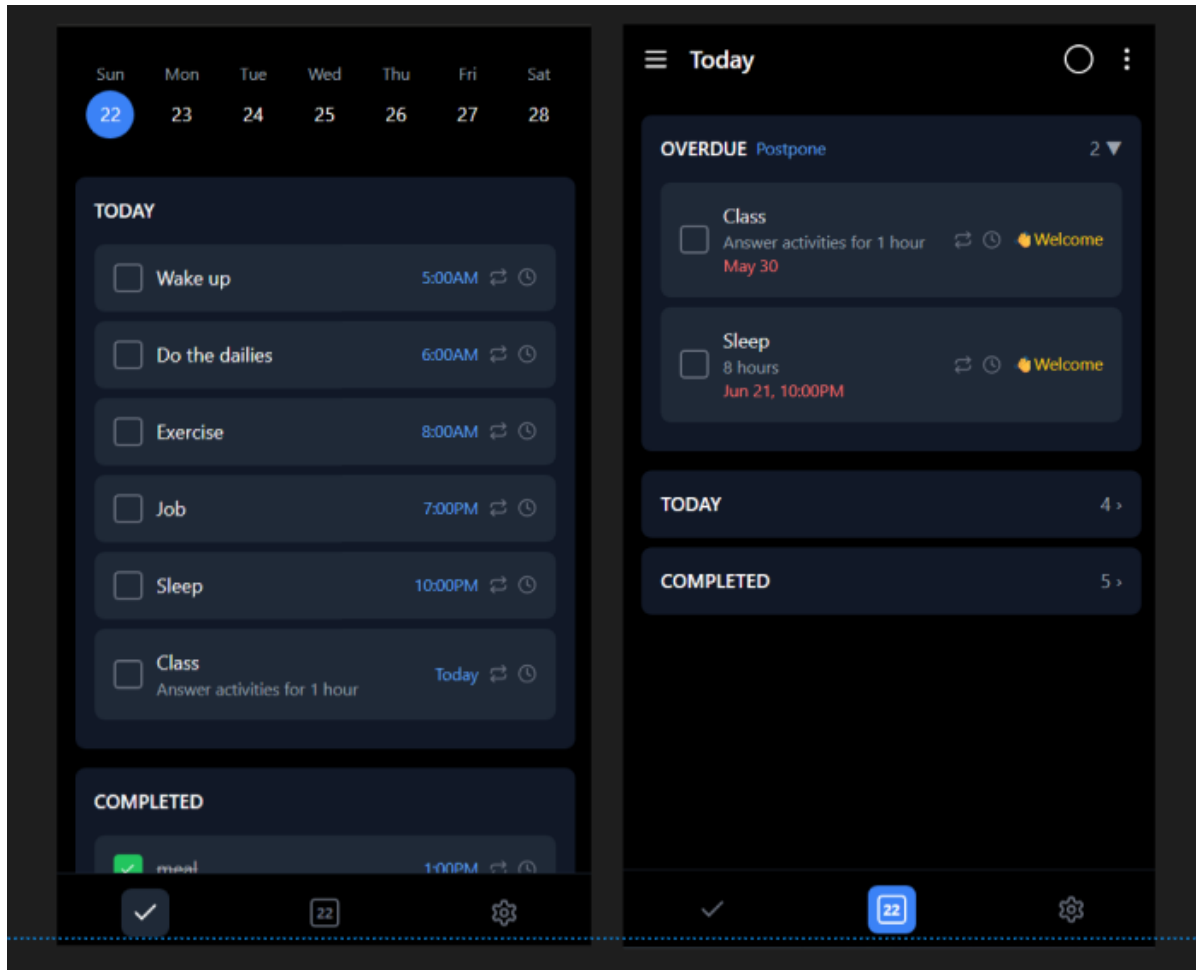
The splash screen serves as QuickNotes' welcoming entry point, featuring the app logo centered against a clean, minimalist background with subtle geometric patterns that suggest organization and efficiency. Below the logo, two prominent buttons "Get Started" for new users and "Sign In" for returning ones provide clear navigation paths. The design uses a dark theme with blue accents to convey focus and productivity, ensuring excellent readability on mobile devices while maintaining the app's distraction-free philosophy.

Log In/sign up



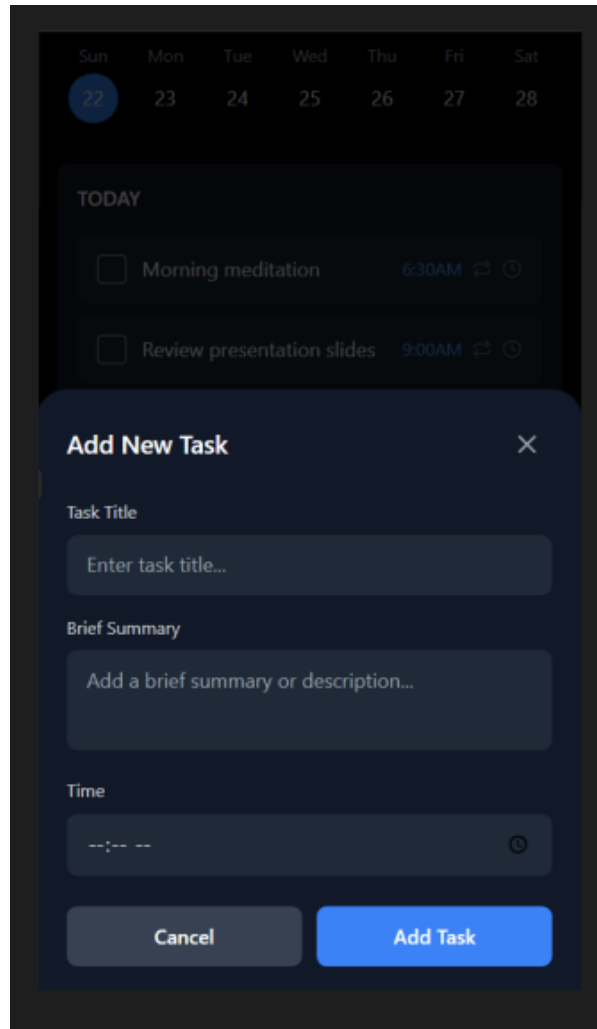
QuickNotes' login and sign-up screens feature clean, rounded input fields with friendly "Hi There!!" greetings. The login welcomes returning users while sign-up encourages new ones. Both include social authentication options and easy switching between flows, maintaining the app's dark theme with blue accents for streamlined, friction-free access.

Home



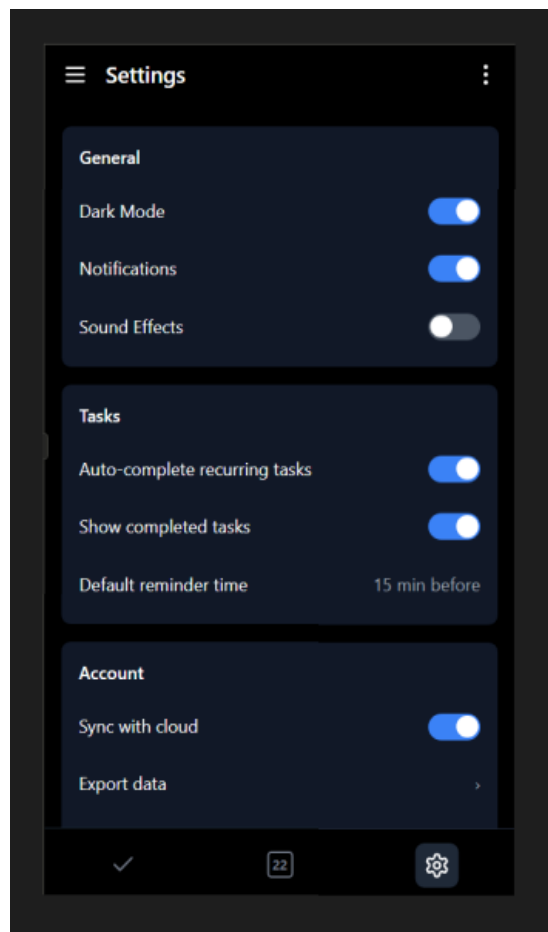
QuickNotes' home screen features a clean weekly calendar highlighting today's date, with tasks organized into clear sections. "TODAY" displays scheduled items with specific times, "OVERDUE" shows postponed tasks with status indicators, and "COMPLETED" tracks finished work. Each task includes checkboxes for quick completion and timestamps for scheduling. The dark interface with blue accents ensures distraction-free focus.

Initial & Alarm Setup



QuickNotes' streamlined onboarding process guides users through essential configuration in minutes. The setup wizard covers notification preferences, default reminder times, and alarm customization options. Users can set their preferred working hours, choose notification sounds, and configure automatic backup settings. The interface maintains the same clean, dark aesthetic as the main app, with intuitive toggles and time pickers. Once complete, users can immediately start adding tasks with their personalized alarm and reminder system fully activated.

Settings



Settings - QuickNotes' comprehensive settings panel provides complete control over app behavior and user preferences. The interface is organized into three main sections: General Tasks, and Account. Each setting features intuitive toggle switches and dropdown menus for quick adjustments. The dark theme with blue accent toggles maintains visual consistency while ensuring all customization options are easily accessible. Users can fine-tune everything from notification timing to data management, creating a personalized productivity experience that adapts to their workflow and preferences.

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QuickNotes Figma Link:

<https://www.figma.com/design/BnIl9grqEdWjYTbeGMLsYi/QuickNotes-Prototype?node-id=1-201&p=f&t=7IJmCF4mCJ6CH0xA-0>

Rationale:

The team chose Figma for prototype development due to its free, collaborative platform allowing simultaneous editing and easy sharing with remote users. Figma effectively showcases the final application design and enables quick feedback integration. However, limitations include internet dependency for saving changes, trapping users offline, and scalability issues on larger screens where smaller buttons become difficult to interact with. Despite these drawbacks, Figma's collaborative benefits outweigh its constraints.

Retry

User Scenario: Mike's Daily Task Management

Mike, a 28-year-old marketing coordinator, starts his busy Tuesday morning by opening QuickNotes on his smartphone. He quickly adds "Client presentation prep - 2:00 PM" and "Team meeting follow-up calls" to his task list. During his commute, Mike receives a notification reminder about his morning meditation session, which he checks off as completed.

At lunch, he realizes he forgot to schedule his gym session, so he adds "Workout - 6:30 PM" with a 30-minute advance reminder. Throughout the day, Mike efficiently manages his workload by checking off completed tasks and adjusting reminder times as meetings run over schedule.

By evening, Mike reviews his completed tasks in the app, feeling accomplished seeing his productive day visualized. He sets up tomorrow's priorities before bed, including a recurring reminder for his weekly grocery shopping. QuickNotes helps Mike maintain work-life balance by ensuring nothing falls through the cracks while keeping his schedule flexible and manageable.

Changes to the Requirements:

No modifications were made to the original project requirements during development. However, the team proactively chose to enhance the application's design and wireframe structure to optimize user experience and functionality. These improvements focused on refining the visual interface, streamlining navigation flow, and ensuring intuitive task management interactions. The enhanced wireframe incorporates better spacing, clearer visual hierarchy, and more accessible button placement while maintaining the core functionality outlined in the initial requirements. These design upgrades aim to create a more polished, user-friendly application that exceeds baseline expectations without altering the fundamental project scope or feature set.

Initial Evaluation Plan:

Survey-Based Evaluation

We will deploy a comprehensive structured questionnaire targeting 30-40 participants representing our core demographic: students, working professionals, and productivity-focused individuals aged 18-40. The survey will be distributed through Google Forms via social media channels, university networks, and professional communities.

Questions	Rate				
How easy is it to add a new task in QuickNotes?	1	2	3	4	5
How satisfied are you with the notification and reminder system?	1	2	3	4	5
How intuitive is the navigation between different app sections?	1	2	3	4	5
How likely are you to recommend QuickNotes to friends or colleagues?	1	2	3	4	5
How would you rate the overall visual design and appearance?	1	2	3	4	5

Overall App Assessment:

- **Acceptable Threshold:** Average score ≥ 3.5 across all questions
- **Target Goal:** Average score ≥ 4.0 for successful usability
- **Critical Issues:** Any individual question scoring < 2.5

Score Range	Interpretation	User Sentiment	Action Required
4.5 - 5.0	Excellent	Highly Positive	Maintain current design
3.5 - 4.4	Good	Positive	Minor improvements needed
2.5 - 3.4	Average	Neutral	Moderate redesign required
1.5 - 2.4	Poor	Negative	Major redesign needed
1.0 - 1.4	Critical	Highly Negative	Complete feature overhaul

Agreement Thresholds:

- **Strong Agreement:** 80%+ respondents choose Agree/Strongly Agree
- **Moderate Agreement:** 60-79% respondents choose Agree/Strongly Agree
- **Low Agreement:** 40-59% respondents choose Agree/Strongly Agree
- **Disagreement:** <40% respondents choose Agree/Strongly Agree

Statistical Validation:

- **Minimum Sample Size:** $n = 30$ for basic correlation analysis
- **Recommended Sample Size:** $n = 50+$ for reliable results
- **Significance Level:** $p < 0.05$ for meaningful correlations
- **Cronbach's Alpha Target:** $\alpha > 0.70$ for internal consistency

Heuristic Evaluation (Nielsen's 10 Principles)

Our team will conduct an internal heuristic evaluation using Nielsen's 10 Usability Heuristics to systematically assess QuickNotes' interface design and user experience quality.

Heuristic Assessment Areas:

Visibility of System Status - Real-time feedback through task completion checkmarks, notification badges, and progress indicators keep users informed about current app state and pending actions.

Match Between System and Real World - Familiar terminology like "Add Task," "Set Reminder," and "Today's Schedule" uses everyday language instead of technical jargon, making the interface intuitive for all users.

User Control and Freedom - Clear navigation paths, back buttons, cancel options, and undo functionality allow users to reverse unwanted actions and exit processes easily without losing progress.

Consistency and Standards - Uniform color schemes, typography, button styles, and interaction patterns throughout the app ensure predictable user experience across all screens and features.

Error Prevention - Input validation, confirmation dialogs for task deletion, and clear visual cues prevent common mistakes like duplicate entries or accidental data loss.

Recognition Rather Than Recall - Icon-based navigation with descriptive labels, visible task lists, and prominent action buttons reduce memory load by making options clearly visible.

Flexibility and Efficiency - Quick-access buttons, swipe gestures for task completion, and customizable reminder settings accommodate both novice and experienced users' workflow preferences.

Aesthetic and Minimalist Design - Clean interface with balanced white space, focused content hierarchy, and prominent call-to-action buttons eliminate visual clutter while maintaining functionality.

Help Users Recognize and Recover from Errors - User-friendly error messages with clear explanations and actionable solutions guide users through problem resolution without technical complexity.

Help and Documentation - Contextual tooltips, intuitive onboarding flow, and accessible settings explanations provide guidance without overwhelming the primary interface.

Simple Feedback Collection Forms

Basic evaluation forms will capture essential user feedback through quick, accessible methods during prototype testing sessions with 20-25 participants.

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Form Components:

- **Task Success Tracking:** Simple yes/no checkboxes for completing core functions
- **Difficulty Level Rating:** 3-point scale (Easy/Moderate/Difficult) for each major feature interaction
- **Time Estimation:** Participants estimate how long each task took
- **Error Documentation:** Basic tick boxes for common issues
- **Preference Ranking:** Participants rank top 3 favorite features and identify 1-2 least favorite aspects
- **Quick Comments:** Short text fields for immediate reactions and suggestions

These simplified forms ensure high completion rates while gathering essential quantitative data on user performance, satisfaction levels, and feature preferences without overwhelming participants with complex evaluation requirements.

Success Metrics & Benchmarks: Task completion rates >85%, average task time <2 minutes, user satisfaction scores >4.0/5.0, and error rates <10% will indicate successful usability performance requiring minimal design revisions.