**Build a mobile app and web dashboard system for V3 Services Ltd that allows us to deploy field agents quickly for urgent, last-minute jobs.**

**This should be a working MVP that we can test and use internally.**

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**📱 MOBILE APP – AGENT SIDE**

**1. \*\*Availability Management\*\***

**- Agents can toggle: `Available` / `Unavailable`**

**- Optional: Set availability in advance for specific days (Mon–Sun)**

**- Auto-resets daily unless manually preset**

**- "I'm Away" mode to block out multiple dates (e.g., holidays)**

**2. \*\*Weekly Reminder\*\***

**- Every Sunday at 6pm, send a push notification:**

**> “Please update your availability status for the coming week.”**

**3. \*\*Job Notification (Push 1)\*\***

**- When a job is created, send a push to only agents marked as “Available” for that job date**

**- Include:**

**- Job type**

**- Address**

**- Arrival time**

**- Number of agents required**

**- Number of spaces left**

**- Estimated travel time from their current location**

**- Two response buttons: `Accept Job` / `Decline`**

**4. \*\*Post-Acceptance Confirmation (Push 2)\*\***

**- If agent accepts the job, immediately send a second push notification that includes:**

**- Confirmation: “You’re confirmed for [Job Name]”**

**- Job address and arrival time**

**- Lead agent name**

**- Required gear/instructions (e.g., “Wear black clothing & boots”)**

**- \*\*Weather forecast for that job location and time\*\***

**- Example: “🌦️ Light rain, 14°C – bring waterproofs”**

**5. \*\*Auto-Deactivate\*\***

**- After accepting a job, agent is auto-set to “Unavailable” for the rest of that day (unless overridden)**

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**🖥️ WEB DASHBOARD – ADMIN SIDE**

**1. \*\*Agent Availability View\*\***

**- Live list of agents and their availability**

**- Weekly calendar view showing each agent’s status**

**- “Away” periods clearly marked**

**2. \*\*Job Creation Panel\*\***

**- Enter:**

**- Job type**

**- Address**

**- Arrival time**

**- Number of agents needed**

**- Lead agent name**

**- Notes (e.g. gear instructions)**

**- Urgency Level: `Low`, `Standard`, `URGENT`**

**- System selects eligible agents:**

**- Available on the job date**

**- Optional: within X miles**

**- Sends first push with job details**

**- Tracks who accepts and fills slots live**

**3. \*\*Job Lock & Follow-Up\*\***

**- When all slots are filled:**

**- Job is locked**

**- Push is sent to all notified agents:**

**> “Job has now been filled. No further action needed.”**

**4. \*\*Shift Logging\*\***

**- Auto-log accepted agents, timestamps, and job metadata**

**- Data should be exportable for reports or invoicing**

**5. \*\*Dashboard Metrics\*\***

**- Show stats like:**

**- Agent response rate**

**- Avg response time**

**- Top 5 most reliable agents**

**- Agents with stale availability**

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**🔧 FUNCTIONAL REQUIREMENTS**

**- Build both the agent-facing mobile app (iOS + Android) and the admin-facing web dashboard**

**- Set up backend with secure authentication, push notification handling, and scheduled jobs (e.g., weekly reminder)**

**- Integrate a weather API to fetch 1–2 day forecasts by UK postcode or location**

**- Choose appropriate technologies but explain your decisions**

**Deliver a complete working MVP we can test internally with real agents and jobs. Prioritize speed, reliability, and ease of use.**