

Hello there, please analyse our current directory, it is a qa system that i am developing for my company SGA. Under "C:\Dhruv\sga-qa-system\archive\readme\sga-qa-pack (Original Code) (Readme)" resides the original code of an app that I built. Understand it by heart, that is the reference material for standards and requirements for our project. See how the engineer or admin creates a job, it gets on scheduler for everyone to see. assigns it to a foreman, the foreman get's a notification of upcoming works and time left to submit it. They fill out their qa pack, exactly as described in these forms. exports the pdf in a similar minimal, formal format with page settings including header and footer copied as is. Now analyse the complete of rest of the directory, understand every single thing on what we have achieved from this initial plan. I am using claude code as the brains for this project, claude code is running in the powershell on my macbook. I have connect 2x opencode.ai accounts running grok code fats 1 via API keys, 2x openrouter.ai accounts running qwen 2.5 and deepeseek 3.1 (free) via api keys and then I have my gemini 3 pro account as well via api keys. Make a plan for claude to finish this project to 100% by utilising this ai worker team in a powershell window. You will leave a plan for claude code, claude code will understand it, run this ai team to exactly complete/diagnose and evolve this plan as it goes until the project is finished to 100%. i want claude code to use this ai worker team in a secure way so they do all the hard coding work in a secure way, claude feeds them smart information to achieve goals in a secure way so the free models are accessed with privacy in mind. In addition to our current features, I wanna add a full scheduling system where the scheduler takes orders from clients, the orders could be weeks in advance, makes a plan(Basic info from jobsheets- client, project, location, job number, area, thickness, asphalt plant etc. (Smart forms like this as per division- profiling, spray and asphalt intelligent forms)) and assigns crews to them. This info goes on a master calendar, which is accessible by all the admins, engineers, upper management, everyone can filter smartly and division wise, crew the engineers and admins then come in, create jobsheets, shift plans for these crews and assign them to foremen. The foremen does their daily qa packs(exactly as described in the forms in our old app. The foreman submits the qa pack, it is saved as a pdf with formatting as described in our old app. All of this data and automation is done by using my company's office 365 platform. Power automate, power flows, copilot, sharepoint and other office 365 apps. the UI is deployed on a vercel pro account to create this totally custom PWA app. I have already created a sharepoint site dedicated to this project- <https://sgagroupcomau.sharepoint.com/sites/SGAQualityAssurance> this is where all the data will be saved securely. use copilot for that. please also use teams integration for calendars so everyone's actual teams calendar is integrated in the app. I would prefer if the master calendar is also a teams shared calendar accessible by people as discussed both in our vercel system and their actual microsoft calendars as well. Also when the scheduler adds a job, each client will have a tier rank to it (Tier 1, Tier 2, Tier 3). The jobs will be assigned to both (project owners- engineers and admins) who will be responsible for the project. Each job will be scoped out by our

supervisors/admins/engineers as per availability and assignment. Tier 1 contractors will have 3 site visits before the project- 14 days out, 7 days out, 3 days out. Tier 2 contractors will have 2 site visits- 7 days out, 3 days out. Tier 3 contractors will have 1 site visit (Within 72 hours of the project). So the scheduler will select the project owner on the main scheduling system, it will be assigned to 1 project owner, 1 person who will scope it (May/may not be the project owner)> Both if these notifications will go out and all site visit notifications will be automated in their teams calendar and the master calendar, again visible by admins, engineer and upper management. Each person who does a job scope, will fill out a scope report for every single site visit they do (3 or 2 or 1). These job reports will be saved professionally as pdfs in sharepoint and an automatic summary will be sent in a dedicated teams group for job scope information. The project owner- admin/engineer will create shift plans and jobsheets, saves them and these jobsheets and shift plans will be saved in the same pdf format in sharepoint and an automated summary will be shared in a dedicated shift plan group (1 group dedicated per crew) in teams. These shifts will be assigned to foremen who run these crews (Asphalt, profiling, grooving or spray) and they will be able to see their calendars using the vercel app on their ipads and their outlook calendar for their past and future works. for past works, they can see submitted reports, for future works, they can see jobsheets. All users will be setup using azure and use their existing microsoft outlook accounts. using microsoft forms, flows, automate, teams, copilot will be used for day to day operation of this project. So we will have a full bulletproof qa system required for a company. Lastly, I want to add an ai agent using copilot that will act as a project manager. That agent will understand all the days worked for each project across all division, make full project reports, answer queries after reading and understanding all these project documents. All of the data should be saved securely in sharepoint. All summaries automated to teams group. apps made user friendly, professional and minimalist using sga official logo- saved under- "C:\Dhruv\sga-qa-system\archive\readme\SGA Logo.png" all generated pdfs should have this logo as well top left, margins- 0.3-1.8, SGA watermark on the page, page number-footer- bottom right, Printed Copies are uncontrolled documents warning- footer-center, document id and version in bottom left footer. Please understand all these requirements and make a plan and leave it as an instructions for claude code to achieve this vision for me using our ai workers team. thanks. Understand all the progress we have achieved before you generate this plan to make it relevant for claude please, make/update /init file too please thanks. delete files you think are not required, cleanup the code or ask claude to do so. I wanna make this app ready for commercial deployment. Thanks. Also at any point of this project, we won't use power apps unless the user is given 100% ready to import fully functioning apps.

Hi Opus, please see my original prompt under "C:\Dhruv\sga-qa-system\Opus prompts.pdf" and the original plan under "C:\Dhruv\sga-qa-system\CLAUDE_CODE_AI_TEAM_MASTER_PLAN.md" Using the same fundamentals, I wanna evolve the project a bit more. I wanna add in a tendering admin. So, the tender admin will create a new project everytime the company wins a job, they will do a handover form with all the project details in it. This project then gets assigned a Project admin/engineer and a person for scoping the job. Allow the project admin/engineer or the scheduler to also create projects and assign the job scope person. The person scoping will go out, do a form submission for the scope report. the project admin/engineer gets this. The scheduler or the project admin/engineer then can assign other admins and their own crews to the job (Example- a project may require both profiling and asphalt, the asphalt admins/engineers are always the project owners, they will send a prompt to the profiling engineer that hey i need a crew for profiling on this this day at this this location for this project, the profiling admin will assign crew, finish his job and submit profiling qa to the project owner/admin/engineer. the project owner/admin/engineer will book their asphalt crews accordingly, allow the scheduler to book asphalt crews and profiling crews as well but in an ideal world the project owner does the whole scheduling for their own project.) I think this way it will be easier to keep track of all the tings during a project, i think this system will be easier to integrate copilot with as well so we can ask copilot project specific questions and it knows exactly how/where to refer what files. Again, the ui/ux is deployed on vercel, sharepoint for data storage, power automate/power flows for automation and the copilot will be the main ai for this project once deployed. for development, use our ai team from our original plan (with privacy in mind) to do hard tasks. Please analyse the whole directory for this project under "C:\Dhruv\sga-qa-system" and create a full plan for claude code based on this. Claude code will be the orchestrator and the engineer of this project, using deepseek, qwen, gemini and grok for all the hard labour. All the fundamentals remain same from our original plan. Suggest improvements if you think you can make this system even better. All you do is analyse everything and create a new plan for claude based on what's done, what's left and what's new. Delete all the files you don't need.

Okay, I have created my api keys on groq and cerebras. I already have gemini paid api key setup, can add a second free tier gemini api from my other gmail account. I already have 2 openrouter api keys installed, 2 opencode api keys are also configured already. Together.ai wants me to purchase some credits before I can begin so let's remove that. Please let me know where to add these new api keys as well. Check our project progress so far, leave updated instructions for claude if required. Claude will be the master of all these ai agents. Also while I have you here, is it better to build all the automation in the code and minimise use of power flows and power automate? We just use sharepoint for data storage? Also if i go to <https://m365.cloud.microsoft/> i can create a custom copilot

agent, let me know if we just integrate that in our software to do all the automations instead? Again reiterating my plan, i wanna use sharepoint for all data storage, power automate and power flow if you think that's better for automation instead of hardcoding in the code, whichever is more reliable, custom copilot agent as discussed if you think. Once the app is live, all the automation and smart tasks need to be done by copilot but for development, we use our ai team as discussed in the full project plan under- "C:\Dhruv\sga-qa-system\Opus prompts.pdf" Please plan your tasks and leave all instructions for claude to start working in the next session