



CareerCarve Mini Project for Technology Intern

Create a 1x1 Scheduler

About CareerCarve

CareerCarve provides placement training to MBA students. One of the activities as part of training is 1x1 Mock Interview. In this activity, a **student** gets interviewed by a **mentor** for a set **duration**

To schedule this activity, both student and mentor should be free at the same time for the set duration.

Student: Student is studying in one of the MBA colleges. They have classes during the day mostly from 9AM to 6PM. They also occasionally get guest lectures or quiz or placement activity scheduled last minute by college authorities which they can't skip. Sundays are mostly free, but students tend to keep it free for personal requirements. We have over 10,000 students on our portal and any student can choose to book a 1x1 as per the need. Student must choose an area of interest (in MBA) while booking a 1x1

Mentor: A mentor is someone working full time with a company in mid to senior level management. They volunteer to help MBA students prepare for placements. So, they work with CareerCarve as part time consultants and spend time only as much as they have. Their regular office job stretches over the weekday mostly from 9AM – 7PM. Most weekends are completely free. Many make plans with friends and family on weekends evening. They also make last minute plans or must deal with last minute requests from their bosses which they can't say no. We have over 500 mentors on our portal who are expert in one of the areas in MBA.

Area of Interest: In the MBA world, there are about 42 roles (Ex – FMCG Sales, Equity Research, Digital Marketing) which an MBA student can pursue. A student can choose any of this role for a 1x1 session with a mentor. All mentors who work with CareerCarve are mapped to one or more roles based on their work experience in the industry (Ex – A mentor who has worked in Amazon as Category Manager and later with HUL as Area Sales Manager will get mapped to both “E-Commerce” and “FMCG Sales” role)

Task for Intern: You have to build a 1x1 scheduler with following features:

1. Priority given to Mentor's availability over student. Mentor always prefers a back to back schedule instead of a scattered one (Ex – If there are 2 students to be scheduled with same mentor, it should be like 7pm-7:30pm and 7:30pm-8:00pm. It should not be 7pm-7:30pm and then 9:30pm-10pm on same evening)
2. If a student selects an area of interest, system should assign any mentor (who is available) from that area. But a student can also select a particular mentor (preferred mentor because of good feedback) for the 1x1. This will be a premium service with additional charge
3. Students should have option (30,45,60 mins only) to choose duration while scheduling
4. Payment page should be generated basis the duration (2000 for 30 mins, 3000 for 45 mins and so on) and option chosen as per Point 2 above

You have to build this for Android or Web platform. Keep special focus on UI/UX to make it easy for user. You have to build screens for mentor and student. Think like a product manager and so there should not be any admin task in this scheduling process for CareerCarve Team (fully automated and managed between student and mentor)

- If you only know front end, then store this data in front end as a JSON format.
- If you only know back end, then make all the necessary APIs to complete these tasks.
- If you know both, then complete the whole task using front-end and back-end.

Technology to be used:

- Node.js (if you are not so adept at it for now, you can use an alternative technology but as an intern with us, you need to get expert with Node.js)
- React/ React native
- MySQL (if you are not so adept at it for now, you can use an alternative technology but as an intern with us, you need to get expert with MySQL)
- Platform: Web/App

NOTE: Please solve as much of this problem as you can and focus on doing perfect job for the part you have completed. Please note that a working code with test cases only would be accepted.

Project Duration: You are expected to complete this project in maximum of 48 hours

Project Discussion: We will schedule a live discussion where you will present your solution (live test case) and explain your approach.

For any further doubts/clarification, please send an email to swaroop@careercarve.com