

MINI-FRQ — SHORT CONSTRUCTED-RESPONSE

Topic 1.1: Collaboration

Mini-FRQ — The Studybuddy Team

Short constructed-response. Total: 5 points. Read both sources, then answer every part in complete sentences.

A four-student team is building Studybuddy, an app that matches classmates into study groups. Two sources describe how the team is working. Use both sources to answer Parts A and B.

Source 1 — A message in the team's group chat

Group chat excerpt

Jordan: I just pushed all the matching code last night, finished it solo around 2am. It works on my laptop so we should be good.
Sam: Nice! Honestly I have no idea how the matching part works though.
Riley: Same. If something breaks the day of the showcase, only Jordan can fix it.
Avery: Can we go through it together this week so we all understand it? Maybe pair up at one computer?

Source 2 — A note from the team's planning board

Planning note

TEAM PLANNING NOTE

- We only tested Studybuddy on our own four phones (all new models).
- We have not asked anyone outside the team to try it.
- Open question: how do we decide between Jordan's matching idea and Avery's, since both partners feel strongly?

Part A

Consider how the team is dividing the work in Source 1.

(i) Identify one specific risk created by having Jordan write all of the matching code alone. (1 pt)

(ii) Explain how pair programming would address that risk. Name both roles and describe what each person does. (2 pt)

Part B

Consider how the team is testing and deciding in Source 2.

(i) Describe one weakness in how the team has tested the app so far, and the kind of user that weakness could hurt. (1 pt)

(ii) Determine one interpersonal skill the team should use to settle the open question about whose matching idea to use, and give a concrete example of using it here. (1 pt)