

Test Case Planning

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1. Use Case 3 - *Receive Tips When Feeling Down*

Test Case ID	TC09 – Low Mood = 1 → Tip Shown
Test Objective	When a user logs mood 1, the system detects low mood and displays a supportive tip.
Preconditions	<ul style="list-style-type: none">- User is logged in- tips are enabled (not opted out)
Test steps	1. Log mood value 1.
Input Values	<ul style="list-style-type: none">- mood=1- date=today.
Expected results	<ul style="list-style-type: none">- Message contains Tip: with a concrete tip string. (If the tip service is down, show generic supportive message instead.)

Test Case ID	TC10 – Low Mood = 2 + Tips Opt-Out → No Tip
Test Objective	Respect user preference to not receive tips.
Preconditions	<ul style="list-style-type: none">- User is logged in- tips_opt_out=true.
Test steps	1. Log mood value 2
Input Values	<ul style="list-style-type: none">- mood=2- date=today
Expected results	<ul style="list-style-type: none">- Confirmation includes “Tips are turned off.” No tip content is shown.

Test Case ID	TC11 – Tip Service Unavailable → Generic Message
Test Objective	Handle the exception path with a fallback message.
Preconditions	<ul style="list-style-type: none">- User is logged in- tips_opt_out=false- tip database unavailable.
Test steps	1. Log mood value 1
Input Values	<ul style="list-style-type: none">- mood=1- date=today

Expected results	<ul style="list-style-type: none"> - Message includes generic supportive text: “Remember, you’re not alone. Try a relaxing activity today.”
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Test Case ID	TC12 – Normal Mood $\geq 3 \rightarrow$ No Tip
Test Objective	Tips appear only for low moods (1–2).
Preconditions	<ul style="list-style-type: none"> - User is logged in - tips_opt_out=false.
Test steps	1. Log mood value 3
Input Values	<ul style="list-style-type: none"> - mood=3
Expected results	<ul style="list-style-type: none"> - No tip text in the message