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1 C:\Users\PC\habit_tracker\venv\Scripts\python.exe "C
  :/Program Files/JetBrains/PyCharm 2023.1/plugins/
  python/helpers/pycharm/_jb_pytest_runner.py" --path C
  :\Users\PC\habit_tracker\tests
2 Testing started at 19:10 ...
3 Launching pytest with arguments C:\Users\PC\
  habit_tracker\tests --no-header --no-summary -q in C
  :\Users\PC\habit_tracker\tests
4
5 ===== test session starts
  =====
6 collecting ... collected 39 items
7
8 test_analytics.py::TestAnalytics::test_analyze_logs
9 test_analytics.py::TestAnalytics::
  test_get_active_habits
10 test_analytics.py::TestAnalytics::
  test_get_completion_rate
11 test_analytics.py::TestAnalytics::
  test_get_habits_by_periodicity
12 test_analytics.py::TestAnalytics::
  test_get_longest_streak_all_habits
13 test_analytics.py::TestAnalytics::
  test_get_longest_streak_for_habit
14 test_db_manager.py::TestDBManager::test_add_log_entry
  Tables created successfully.
15 User table cleared successfully.
16 Habit table cleared successfully.
17 Log table cleared successfully.
18 New user ID: 1
19 User created: user123
20 Habit 'Grocery Shopping' created successfully.
21 New log entry ID: 1
22 Log entry added for habit_id 1: success=1, note=Habit
  created and activated
23 Habit created: <app.habit.Habit object at
  0x0000019962A08F10>
24 New log entry ID: 2
25 Log entry added for habit_id 1: success=1, note=Habit
  completed successfully on time
26 New log entry ID: 3
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27 Log entry added for habit_id 1: success=1, note=Habit completed successfully on time
28 New log entry ID: 4
29 Log entry added for habit_id 1: success=1, note=Habit completed successfully on time
30 New log entry ID: 5
31 Log entry added for habit_id 1: success=0, note=Habit marked as incomplete
32 Habit 'Attend a Fitness Class' created successfully.
33 New log entry ID: 6
34 Log entry added for habit_id 2: success=1, note=Habit created and activated
35 Habit created: <app.habit.Habit object at 0x0000019963486F50>
36 New log entry ID: 7
37 Log entry added for habit_id 2: success=1, note=Habit completed successfully on time
38 New log entry ID: 8
39 Log entry added for habit_id 2: success=1, note=Habit completed successfully on time
40 New log entry ID: 9
41 Log entry added for habit_id 2: success=1, note=Habit completed successfully on time
42 New log entry ID: 10
43 Log entry added for habit_id 2: success=0, note=Habit marked as incomplete
44 Habit 'Practice a Hobby' created successfully.
45 New log entry ID: 11
46 Log entry added for habit_id 3: success=1, note=Habit created and activated
47 Habit created: <app.habit.Habit object at 0x00000199634EDDD0>
48 New log entry ID: 12
49 Log entry added for habit_id 3: success=0, note=Habit marked as incomplete
50 New log entry ID: 13
51 Log entry added for habit_id 3: success=0, note=Habit marked as incomplete
52 New log entry ID: 14
53 Log entry added for habit_id 3: success=0, note=Habit marked as incomplete
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54 New log entry ID: 15
55 Log entry added for habit_id 3: success=0, note=Habit
    marked as incomplete
56 Habit 'Write in a journal' created successfully.
57 New log entry ID: 16
58 Log entry added for habit_id 4: success=1, note=Habit
    created and activated
59 Habit created: <app.habit.Habit object at
    0x00000199634EE6D0>
60 New log entry ID: 17
61 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
62 New log entry ID: 18
63 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
64 New log entry ID: 19
65 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
66 New log entry ID: 20
67 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
68 New log entry ID: 21
69 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
70 New log entry ID: 22
71 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
72 New log entry ID: 23
73 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
74 New log entry ID: 24
75 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
76 New log entry ID: 25
77 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
78 New log entry ID: 26
79 Log entry added for habit_id 4: success=1, note=Habit
    completed successfully on time
80 New log entry ID: 27
81 Log entry added for habit_id 4: success=1, note=Habit
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81 completed successfully on time
82 New log entry ID: 28
83 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
84 New log entry ID: 29
85 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
86 New log entry ID: 30
87 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
88 New log entry ID: 31
89 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
90 New log entry ID: 32
91 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
92 New log entry ID: 33
93 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
94 New log entry ID: 34
95 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
96 New log entry ID: 35
97 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
98 New log entry ID: 36
99 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
100 New log entry ID: 37
101 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
102 New log entry ID: 38
103 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
104 New log entry ID: 39
105 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
106 New log entry ID: 40
107 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
108 New log entry ID: 41
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109 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
110 New log entry ID: 42
111 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
112 New log entry ID: 43
113 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
114 New log entry ID: 44
115 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
116 Habit 'Read for 20 minutes' created successfully.
117 New log entry ID: 45
118 Log entry added for habit_id 5: success=1, note=
    Habit created and activated
119 Habit created: <app.habit.Habit object at
    0x00000199634F8D10>
120 New log entry ID: 46
121 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
122 New log entry ID: 47
123 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
124 New log entry ID: 48
125 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
126 New log entry ID: 49
127 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
128 New log entry ID: 50
129 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
130 New log entry ID: 51
131 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
132 New log entry ID: 52
133 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
134 New log entry ID: 53
135 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
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136 New log entry ID: 54
137 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
138 New log entry ID: 55
139 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
140 New log entry ID: 56
141 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
142 New log entry ID: 57
143 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
144 New log entry ID: 58
145 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
146 New log entry ID: 59
147 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
148 New log entry ID: 60
149 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
150 New log entry ID: 61
151 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
152 New log entry ID: 62
153 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
154 New log entry ID: 63
155 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
156 New log entry ID: 64
157 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
158 New log entry ID: 65
159 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
160 New log entry ID: 66
161 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
162 New log entry ID: 67
163 Log entry added for habit_id 5: success=0, note=
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163 Habit marked as incomplete
164 New log entry ID: 68
165 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
166 New log entry ID: 69
167 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
168 New log entry ID: 70
169 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
170 New log entry ID: 71
171 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
172 New log entry ID: 72
173 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
174 New log entry ID: 73
175 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
176 PASSED [ 2%]Log analysis for habit 1
: {'total_logs': 5, 'success_logs': 4, 'failure_logs':
': 1, 'completed_habits': 3, 'failure_habits': 1, 'notes':
['Habit marked as incomplete', 'Habit completed successfully on time', 'Habit created and activated']}
177 Test passed: Analyzed logs for habit 1.
178 PASSED [ 5%]Test passed: Retrieved active habits.
179 PASSED [ 7%]Completion rate for habit 1: 75.0%
180 Test passed: Calculated completion rate for habit 1.
181 PASSED [ 10%]Habits with periodicity 'daily' for user 1: [<sqlite3.Row object at 0x00000199634F6440>, <sqlite3.Row object at 0x00000199634F6530>]
182 Test passed: Retrieved habits with periodicity 'daily'.
183 PASSED [ 12%]Test passed: Retrieved longest streak for all habits.
184 PASSED [ 15%]Longest streak for habit 1: 4
185 Test passed: Retrieved longest streak for habit 1.
186 Habit table cleared successfully.
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187 User table cleared successfully.  
188 Log table cleared successfully.  
189  
190 test_db_manager.py::TestDBManager::  
    test_count_consecutive_incomplete  
191 test_db_manager.py::TestDBManager::  
    test_count_failure  
192 test_db_manager.py::TestDBManager::  
    test_count_success  
193 test_db_manager.py::TestDBManager::  
    test_count_success_by_habit  
194 test_db_manager.py::TestDBManager::  
    test_count_unsuccessful_by_habit  
195 test_db_manager.py::TestDBManager::test_create_habit  
  
196 test_db_manager.py::TestDBManager::test_create_user  
197 test_db_manager.py::TestDBManager::test_delete_habit  
  
198 test_db_manager.py::TestDBManager::test_delete_user  
199 test_db_manager.py::TestDBManager::  
    test_get_habit_by_id  
200 test_db_manager.py::TestDBManager::  
    test_get_habits_by_user  
201 test_db_manager.py::TestDBManager::  
    test_get_last_log_entry  
202 test_db_manager.py::TestDBManager::  
    test_get_logs_by_habit  
203 test_db_manager.py::TestDBManager::  
    test_get_user_by_username  
204 test_db_manager.py::TestDBManager::test_update_habit  
  
205 test_db_manager.py::TestDBManager::  
    test_update_last_login  
206 test_db_manager.py::TestDBManager::test_update_user  
207 test_habit.py::TestHabit::test_add_log_entry Tables  
    created successfully.  
208 PASSED [ 17%]New user ID: 1  
209 Habit 'test habit' created successfully.  
210 New log entry ID: 1  
211 Log table cleared successfully.  
212 Habit table cleared successfully.
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213 User table cleared successfully.  
214 PASSED [ 20%]New user ID: 1  
215 Habit 'test habit' created successfully.  
216 New log entry ID: 1  
217 Log table cleared successfully.  
218 Habit table cleared successfully.  
219 User table cleared successfully.  
220 PASSED [ 23%]New user ID: 1  
221 Habit 'test habit' created successfully.  
222 New log entry ID: 1  
223 Log table cleared successfully.  
224 Habit table cleared successfully.  
225 User table cleared successfully.  
226 PASSED [ 25%]New user ID: 1  
227 Habit 'test habit' created successfully.  
228 New log entry ID: 1  
229 Log table cleared successfully.  
230 Habit table cleared successfully.  
231 User table cleared successfully.  
232 PASSED [ 28%]New user ID: 1  
233 Habit 'test habit' created successfully.  
234 New log entry ID: 1  
235 Log table cleared successfully.  
236 Habit table cleared successfully.  
237 User table cleared successfully.  
238 PASSED [ 30%]New user ID: 1  
239 Habit 'test habit' created successfully.  
240 New log entry ID: 1  
241 Log table cleared successfully.  
242 Habit table cleared successfully.  
243 User table cleared successfully.  
244 PASSED [ 33%]New user ID: 1  
245 Habit 'test habit' created successfully.  
246 Habit 'new habit' created successfully.  
247 Log table cleared successfully.  
248 Habit table cleared successfully.  
249 User table cleared successfully.  
250 PASSED [ 35%]New user ID: 1  
251 Habit 'test habit' created successfully.  
252 New user ID: 2  
253 Log table cleared successfully.
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254 Habit table cleared successfully.  
255 User table cleared successfully.  
256 PASSED [ 38%]New user ID: 1  
257 Habit 'test habit' created successfully.  
258 Habit with ID 1 and all associated logs deleted  
    successfully.  
259 Log table cleared successfully.  
260 Habit table cleared successfully.  
261 User table cleared successfully.  
262 PASSED [ 41%]New user ID: 1  
263 Habit 'test habit' created successfully.  
264 User with ID 1 and all associated habits and logs  
    deleted successfully.  
265 Log table cleared successfully.  
266 Habit table cleared successfully.  
267 User table cleared successfully.  
268 PASSED [ 43%]New user ID: 1  
269 Habit 'test habit' created successfully.  
270 Log table cleared successfully.  
271 Habit table cleared successfully.  
272 User table cleared successfully.  
273 PASSED [ 46%]New user ID: 1  
274 Habit 'test habit' created successfully.  
275 Log table cleared successfully.  
276 Habit table cleared successfully.  
277 User table cleared successfully.  
278 PASSED [ 48%]New user ID: 1  
279 Habit 'test habit' created successfully.  
280 New log entry ID: 1  
281 New log entry ID: 2  
282 Log table cleared successfully.  
283 Habit table cleared successfully.  
284 User table cleared successfully.  
285 PASSED [ 51%]New user ID: 1  
286 Habit 'test habit' created successfully.  
287 New log entry ID: 1  
288 Log table cleared successfully.  
289 Habit table cleared successfully.  
290 User table cleared successfully.  
291 PASSED [ 53%]New user ID: 1  
292 Habit 'test habit' created successfully.
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293 Log table cleared successfully.
294 Habit table cleared successfully.
295 User table cleared successfully.
296 PASSED [ 56%]New user ID: 1
297 Habit 'test habit' created successfully.
298 Habit with ID 1 updated successfully.
299 Log table cleared successfully.
300 Habit table cleared successfully.
301 User table cleared successfully.
302 PASSED [ 58%]New user ID: 1
303 Habit 'test habit' created successfully.
304 Last login updated for user_id testuser.
305 Log table cleared successfully.
306 Habit table cleared successfully.
307 User table cleared successfully.
308 PASSED [ 61%]New user ID: 1
309 Habit 'test habit' created successfully.
310 User with ID 1 updated successfully.
311 Log table cleared successfully.
312 Habit table cleared successfully.
313 User table cleared successfully.
314 User table cleared successfully.
315 Habit table cleared successfully.
316 Log table cleared successfully.
317
318 test_habit.py::TestHabit::test_calculate_streak
319 test_habit.py::TestHabit::test_can_mark_complete
320 test_habit.py::TestHabit::test_create_habit
321 test_habit.py::TestHabit::test_deactivate_habit_due
322 test_habit.py::TestHabit::test_delete_habit
323 test_habit.py::TestHabit::test_get_all_by_user
324 test_habit.py::TestHabit::test_update_habit
325 test_habit.py::TestHabit::test_update_status
326 test_user.py::TestUser::test_create_user Tables
    created successfully.
327 User table cleared successfully.
328 Habit table cleared successfully.
329 Log table cleared successfully.
330 New user ID: 1
331 User created: user123
332 Habit 'Grocery Shopping' created successfully.
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333 New log entry ID: 1
334 Log entry added for habit_id 1: success=1, note=
    Habit created and activated
335 Habit created: <app.habit.Habit object at
    0x0000019963518490>
336 New log entry ID: 2
337 Log entry added for habit_id 1: success=1, note=
    Habit completed successfully on time
338 New log entry ID: 3
339 Log entry added for habit_id 1: success=1, note=
    Habit completed successfully on time
340 New log entry ID: 4
341 Log entry added for habit_id 1: success=1, note=
    Habit completed successfully on time
342 New log entry ID: 5
343 Log entry added for habit_id 1: success=0, note=
    Habit marked as incomplete
344 Habit 'Attend a Fitness Class' created successfully.
345 New log entry ID: 6
346 Log entry added for habit_id 2: success=1, note=
    Habit created and activated
347 Habit created: <app.habit.Habit object at
    0x0000019963519F10>
348 New log entry ID: 7
349 Log entry added for habit_id 2: success=1, note=
    Habit completed successfully on time
350 New log entry ID: 8
351 Log entry added for habit_id 2: success=1, note=
    Habit completed successfully on time
352 New log entry ID: 9
353 Log entry added for habit_id 2: success=1, note=
    Habit completed successfully on time
354 New log entry ID: 10
355 Log entry added for habit_id 2: success=0, note=
    Habit marked as incomplete
356 Habit 'Practice a Hobby' created successfully.
357 New log entry ID: 11
358 Log entry added for habit_id 3: success=1, note=
    Habit created and activated
359 Habit created: <app.habit.Habit object at
    0x000001996351A7D0>
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360 New log entry ID: 12
361 Log entry added for habit_id 3: success=0, note=
    Habit marked as incomplete
362 New log entry ID: 13
363 Log entry added for habit_id 3: success=0, note=
    Habit marked as incomplete
364 New log entry ID: 14
365 Log entry added for habit_id 3: success=0, note=
    Habit marked as incomplete
366 New log entry ID: 15
367 Log entry added for habit_id 3: success=0, note=
    Habit marked as incomplete
368 Habit 'Write in a journal' created successfully.
369 New log entry ID: 16
370 Log entry added for habit_id 4: success=1, note=
    Habit created and activated
371 Habit created: <app.habit.Habit object at
    0x000001996351B010>
372 New log entry ID: 17
373 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
374 New log entry ID: 18
375 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
376 New log entry ID: 19
377 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
378 New log entry ID: 20
379 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
380 New log entry ID: 21
381 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
382 New log entry ID: 22
383 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
384 New log entry ID: 23
385 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
386 New log entry ID: 24
387 Log entry added for habit_id 4: success=1, note=
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387 Habit completed successfully on time
388 New log entry ID: 25
389 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
390 New log entry ID: 26
391 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
392 New log entry ID: 27
393 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
394 New log entry ID: 28
395 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
396 New log entry ID: 29
397 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
398 New log entry ID: 30
399 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
400 New log entry ID: 31
401 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
402 New log entry ID: 32
403 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
404 New log entry ID: 33
405 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
406 New log entry ID: 34
407 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
408 New log entry ID: 35
409 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
410 New log entry ID: 36
411 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
412 New log entry ID: 37
413 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
414 New log entry ID: 38
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415 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
416 New log entry ID: 39
417 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
418 New log entry ID: 40
419 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
420 New log entry ID: 41
421 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
422 New log entry ID: 42
423 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
424 New log entry ID: 43
425 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
426 New log entry ID: 44
427 Log entry added for habit_id 4: success=1, note=
    Habit completed successfully on time
428 Habit 'Read for 20 minutes' created successfully.
429 New log entry ID: 45
430 Log entry added for habit_id 5: success=1, note=
    Habit created and activated
431 Habit created: <app.habit.Habit object at
    0x00000199634FBA50>
432 New log entry ID: 46
433 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
434 New log entry ID: 47
435 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
436 New log entry ID: 48
437 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
438 New log entry ID: 49
439 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
440 New log entry ID: 50
441 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
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442 New log entry ID: 51
443 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
444 New log entry ID: 52
445 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
446 New log entry ID: 53
447 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
448 New log entry ID: 54
449 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
450 New log entry ID: 55
451 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
452 New log entry ID: 56
453 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
454 New log entry ID: 57
455 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
456 New log entry ID: 58
457 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
458 New log entry ID: 59
459 Log entry added for habit_id 5: success=1, note=
    Habit completed successfully on time
460 New log entry ID: 60
461 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
462 New log entry ID: 61
463 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
464 New log entry ID: 62
465 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
466 New log entry ID: 63
467 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
468 New log entry ID: 64
469 Log entry added for habit_id 5: success=0, note=
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469 Habit marked as incomplete
470 New log entry ID: 65
471 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
472 New log entry ID: 66
473 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
474 New log entry ID: 67
475 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
476 New log entry ID: 68
477 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
478 New log entry ID: 69
479 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
480 New log entry ID: 70
481 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
482 New log entry ID: 71
483 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
484 New log entry ID: 72
485 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
486 New log entry ID: 73
487 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
488 PASSED [ 64%]New log entry ID: 74
489 Log entry added for habit_id 3: success=1, note=Test log entry
490 PASSED [ 66%]Habit with ID 5 updated successfully.
491 Calculated streak for habit_id 5: 0
492 PASSED [ 69%]Habit 'Test Habit' created successfully.
493 New log entry ID: 75
494 Log entry added for habit_id 6: success=1, note=
    Habit created and activated
495 Habit created: <app.habit.Habit object at
```

```
495 0x000001996352C6D0>
496 PASSED [ 71%]Habit 'Test Habit'
  ' created successfully.
497 New log entry ID: 76
498 Log entry added for habit_id 7: success=1, note=
  Habit created and activated
499 Habit created: <app.habit.Habit object at
  0x000001996352CC50>
500 PASSED [ 74%]Habit 'Test Habit'
  created successfully.
501 New log entry ID: 77
502 Log entry added for habit_id 8: success=1, note=
  Habit created and activated
503 Habit created: <app.habit.Habit object at
  0x000001996352D290>
504 Habit with ID 8 updated successfully.
505 New log entry ID: 78
506 Log entry added for habit_id 8: success=0, note=
  Habit deactivated - deadline exceeded
507 Habit 'Test Habit' deactivated due to deadline
  exceedance.
508 Test passed: Habit deactivated due to deadline
  exceedance.
509 PASSED [ 76%]Habit with ID 2
  and all associated logs deleted successfully.
510 New log entry ID: 79
511 Log entry added for habit_id 2: success=0, note=
  Habit deleted
512 Habit deleted: 2
513 Retrieved 7 habits for user_id 1
514 PASSED [ 79%]Retrieved 7 habits
  for user_id 1
515 PASSED [ 82%]Habit with ID 1
  updated successfully.
516 New log entry ID: 80
517 Log entry added for habit_id 1: success=1, note=
  Habit restarted and activated
518 Habit updated: <app.habit.Habit object at
  0x0000019963518490>
519 PASSED [ 84%]New log entry ID:
  81
```

```
520 Log entry added for habit_id 5: success=0, note=
    Habit marked as incomplete
521 Habit with ID 5 updated successfully.
522 Calculated streak for habit_id 5: 0
523 New log entry ID: 82
524 Log entry added for habit_id 5: success=1, note=Test
    status update log
525 Habit table cleared successfully.
526 User table cleared successfully.
527 Log table cleared successfully.
528
529 test_user.py::TestUser::test_delete_user
530 test_user.py::TestUser::test_get_user_by_username
531 test_user.py::TestUser::test_reset_password
532 test_user.py::TestUser::test_update_last_login
533 test_user.py::TestUser::test_update_user
534
535 ===== 39 passed in 32.35s
=====
536 Tables created successfully.
537 User table cleared successfully.
538 Habit table cleared successfully.
539 Log table cleared successfully.
540 New user ID: 1
541 User created: user123
542 PASSED [ 87%]New user ID: 2
543 User created: User1
544 New user ID: 3
545 User created: User2
546 New user ID: 4
547 User created: User4
548 User with ID 4 and all associated habits and logs
    deleted successfully.
549 User deleted: User4
550 User retrieved: User1
551 User retrieved: User1
552 User with ID 2 and all associated habits and logs
    deleted successfully.
553 User deleted: User1
554 User retrieved: User2
555 User retrieved: User2
```

```
556 User with ID 3 and all associated habits and logs  
      deleted successfully.  
557 User deleted: User2  
558 User not found: User3  
559 PASSED [ 89%]New user ID: 2  
560 User created: User1  
561 New user ID: 3  
562 User created: User2  
563 New user ID: 4  
564 User created: User3  
565 User retrieved: User3  
566 User with ID 4 and all associated habits and logs  
      deleted successfully.  
567 User deleted: User3  
568 User not found: User3  
569 User retrieved: User1  
570 User retrieved: User1  
571 User with ID 2 and all associated habits and logs  
      deleted successfully.  
572 User deleted: User1  
573 User retrieved: User2  
574 User retrieved: User2  
575 User with ID 3 and all associated habits and logs  
      deleted successfully.  
576 User deleted: User2  
577 User not found: User3  
578 PASSED [ 92%]New user ID: 2  
579 User created: User1  
580 New user ID: 3  
581 User created: User2  
582 User retrieved: User1  
583 User retrieved: User1  
584 User retrieved: User1  
585 User with ID 2 and all associated habits and logs  
      deleted successfully.  
586 User deleted: User1  
587 User retrieved: User2  
588 User retrieved: User2  
589 User with ID 3 and all associated habits and logs  
      deleted successfully.  
590 User deleted: User2
```

```
591 User not found: User3
592 PASSED [ 94%]New user ID: 2
593 User created: User1
594 New user ID: 3
595 User created: User2
596 User retrieved: User1
597 User with ID 2 updated successfully.
598 Password updated successfully for user: User1
599 User retrieved: User1
600 User retrieved: User1
601 User with ID 2 and all associated habits and logs
    deleted successfully.
602 User deleted: User1
603 User retrieved: User2
604 User retrieved: User2
605 User with ID 3 and all associated habits and logs
    deleted successfully.
606 User deleted: User2
607 User not found: User3
608 PASSED [ 97%]New user ID: 2
609 User created: User1
610 New user ID: 3
611 User created: User2
612 Last login updated for user_id User1.
613 Last login updated for user: User1
614 User retrieved: User1
615 User retrieved: User1
616 User with ID 2 and all associated habits and logs
    deleted successfully.
617 User deleted: User1
618 User retrieved: User2
619 User retrieved: User2
620 User with ID 3 and all associated habits and logs
    deleted successfully.
621 User deleted: User2
622 User not found: User3
623 PASSED [100%]New user ID: 2
624 User created: User1
625 New user ID: 3
626 User created: User2
627 User retrieved: User2
```

```
628 User with ID 3 and all associated habits and logs  
      deleted successfully.  
629 User deleted: User2  
630 User retrieved: User1  
631 User with ID 2 updated successfully.  
632 User updated: User2  
633 User not found: User1  
634 User retrieved: User2  
635 User retrieved: User2  
636 User with ID 2 and all associated habits and logs  
      deleted successfully.  
637 User deleted: User2  
638 User not found: User3  
639 User table cleared successfully.  
640  
641 Process finished with exit code 0  
642
```