

Release Notes and User Manual for Command-line Kanban System

Version 1.0

Prepared by Caleb TONG (1155176563),
 Ho Lun Roland TSANG (1155194057),
 Ming Hon Rodney HUI (1155213464),
 Tung Chun James LAM (1155211513)

Group 21, Software Engineering (CSCI3100), The Chinese University of Hong Kong

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1. System Overview

The Kanban Task Management System is a console-based application for tracking tasks through four status stages: To-Do, In Progress, Waiting Review, and Finished. Users can create, assign, edit, and monitor tasks with deadline notifications and workload insights.

2. Dependency Installation

1. Install *bcrypt* through pip `install bcrypt`
2. Run Kanban.py through `python3 Kanban.py` or other methods

3. Account Activation Requirement

Important: New user accounts remain inactive until an administrator activates them.

License Keys:

1. 0000-1111-2222-3333
2. 1111-2222-3333-4444

Registration Process:

1. Select "2) Register" from the main menu
2. Enter your phone number (digits only, 7-15 characters)
3. Enter your full name
4. Select position: "User" (standard) or "Admin" (requires validation key 3100)
5. Create and confirm a password (minimum 8 characters)

Post-Registration:

- User accounts show "Activation status: 0" (inactive)
- Admin accounts show "Activation status: 1" (active immediately)
- Inactive users cannot log in and receive the message: "Account inactive, please contact an admin."

Administrator Activation Steps:

1. Admin logs into the system
2. Selects "1) Update user activation status" from the admin menu
3. Enter the new user's phone number
4. Sets activation status to "1" (active)
5. New users can now log in with their credentials

4. Input Conventions & Formats

Phone Numbers:

- Enter digits only, no spaces, dashes, or parentheses
- Example: **13302906260**(valid)
- Example: **+1-234-567-8900**(invalid)
- Must correspond to a registered user in the system

Dates:

- Format: YYYY-MM-DD
- Example: **2024-12-31**(valid)
- Example: **12/31/2024**(invalid)
- Cannot be a past date
- "Undecided" is accepted if no deadline is set

Task Status Codes:

Enter the corresponding number:

1 = To-Do

2 = In Progress

3 = Waiting Review

4 = Finished

Task ID:

- Number displayed when listing tasks
- Required for editing, moving, or deleting tasks
- For multiple deletions: separate IDs with commas (e.g., "1,3,7")

5. Task Management Workflow

Creating a Task (Menu Option 2):

1. Title: Enter descriptive text (required)
2. Status: Enter number 1-4 (required)
3. Person in Charge: Enter user's phone number or leave blank
4. Due Date: Enter YYYY-MM-DD or leave blank
5. Creator: Enter your phone number (required)
6. Additional Information: Enter notes or leave blank

Deadline Convention:

- Tasks are considered "due" on the entire day of the deadline
- Example: Deadline 2024-12-21 means the task is overdue starting 2024-12-22 00:00
- Notifications appear for tasks due within 14 days

Editing Tasks (Menu Option 4):

- Provide Task ID
- Enter editor's phone number (required)

- For each field: press Enter to skip, or enter new value
- Status changes are validated against allowed states

6. Password Rules

- Minimum 8 characters
- Case-sensitive
- Must match confirmation entry
- No password recovery feature in current version
- Admins cannot view passwords, only reset activation status

7. Common Issues & Solutions

Login Problems:

- Check with admin to verify account activation status
- Ensure phone number matches registration exactly

Task Operation Errors:

- "Task not found" = Invalid Task ID, use Option 1 to list valid IDs
- "Person in charge does not exist" = Phone number not registered
- "Date has already passed" = Cannot set deadlines in the past

System Messages:

- "Please enter a valid number" = Input contains non-digit characters
- "Title cannot be empty" = Required field missing
- "Status is not valid" = Number not 1-4

8. Notification System

Upon login, the system displays:

- Tasks due within 14 days with time remaining
- Overdue tasks (marked separately)
- Workload advice when any user has >3 tasks
- Alerts for unassigned tasks

9. Quick Start Checklist

1. [] Request system access from administrator
2. [] Register with phone number and personal details
3. [] Contact admin to activate your account
4. [] Log in with phone number and password
5. [] Review notifications for upcoming deadlines
6. [] Create first task with clear title and assignee
7. [] Update task status as work progresses
8. [] Review weekly advice for workload balancing