

# LE DUC : Developer Guide

## 1)Target User

Problem Scope : Organize a students school tasks and non-academic tasks:

Value Proposition: A student will be able to better manage their time, and be more productive

## 2)User Stories

Legend :

Must Have	
Nice-To-Have	
Not Useful	

User Stories	Priority
As a student, I want to sort my task by type of task/by date/by description/by tag	3
As a student, I want to prioritize different task	3
As a student, I want to have recurrent task	3
As a student, I want to display the task by day/week/month/year	3
As a student, I want to edit a task	3
As a student, I want to a better find feature (fuzzy matching)	3
As a student, I want to postpone a task	3
As a student, I want to have shortcut	3
As a student, I want to display two or more different task list (for example professional and personal)	3
As a student, I want the app to send me an email about my task	2
As a student, I want to display only the task that hasn't been done yet	2
As a student, I want the app to alarm me when a deadline is near	2
As a student, I want to import from other task list	2
As a student, I want to have subtask	2
As a student, I want to see which task was done late, which task hadn't been done and which task was done on time	2
As a student, I want to set a reminder	2

As a student, I want to see my progression	2
As a student, I want to add an excepted time	2
As a student, I want to see the time left until the allocated time for that task is over	2
As a student, I want to know the location, the address	2
As a student, I want to combine two tasks	2
As a student, I want to visualize the task (GUI)	1
As a student, I want to have a login and a password or have a profile	1
As a student, I want to customize the welcome message	1
As a student, I want to have secret task	1
As a student, I want to have shared task	1
As a student, I want to delete a profile (like an admin)	1
As a student, I want to have some statistics	1
As a student, I want to see others students task	1
As a student, I want to have a message feature	1

### 3)Use Cases

#### a) Edit Command

System: Le Duc

Actor: High School Student

Use Case : Modify task

1. User will type "edit"
2. Le Duc will list the entire task list
3. User type the index of the task
4. Le Duc asks which part will be modified if it is not a Todo task
5. User answer and modify

#### b) Shortcut

System: Le Duc

Actor: High School Student

Use Case : Add shortcut

1. User type "shortcut"
2. Le Duc will show the first command to be modified
3. User type the shortcut for that command
4. Le Duc will show the second command to be modified
5. User type the shortcut for that command

- .
- .
- .
- .
- k. Le Duc will show the  $l^{\text{th}}$  command to be modified
- k+1. User type the shortcut for that command
- k+2. Le Duc prompt an error, because there is a conflict between two shortcuts, and will ask to enter a new shortcut
- k+3. User type another shortcut for that command
- .
- .
- .
- .
- n. Le Duc shows all the shortcuts

## 4)Non-functional requirements

Task list size requirement: The user is a super busy students, so he will have a lot of task. Size of task list possibly infinite (use of ArrayList, depends on the computer and the storage doesn't use much as it is a written file).

Quality requirement: The system is easy to understand and to be handled by a new user.

Mastery requirement: The system is easy to be mastered, the typing of new task should be easy and fast.

Disaster recovery requirement: If the system crash, the user shall find all his tasks in the storage file.

## 5)Glossary

Fuzzy matching: When finding a description with a keyword, if the keyword doesn't fit any description, the fuzzy matching will try to find descriptions that are close to the keyword.

Recurrent task: A task that happen every day/week/month...