

Systems Project Proposal - Database Storage (myui2)

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Our database storage is the standard 180 by 24 pixel rendered screen, with titles of 30 characters and body of 140 characters. The central screen is divided as demonstrated in Figure 1. On the left is a column of subject headers that the user can scroll through. As the user scrolls using the up and down arrow keys and uses the right arrow key to choose one of the subjects (the left arrow key to go back), the corresponding space to the right then reveals the entries (title and body) that are located in that section. From here, the user can move through the various entries, adding, deleting, or editing with F function keys. The subjects may be arranged either chronologically or alphabetically. With a F function key, a search bar may be accessed which takes input on the section and words in the title to narrow down the list of possible entries.

Figure 1:

```
-----LifeTracker-----
                Number of Records: --- | Author: ----- | Version: -.--
          First Record Time: ----- --:--:-- | Last Record Time: ----- --:--:--
-----
-----UP/Down-Scroll between Subjects/Records Left/Right-Toggle between Subjects/Records-----

|---Subjects---| |Record 1 (--:--:--)|
|-----| |-----|
|-----| |-----|
|-----| |-----|
|-----| |-----|
|-----| |Record 2 (--:--:--)|
|-----| |-----|
|-----| |-----|
|-----| |-----|
|-----| |-----|
|-----| |Record 3 (--:--:--)|
|-----| |-----|
|-----| |-----|
|---F5-Add---| |-----|
|---F6-Sort---| |-----|
|---F7-Search--| |-----F2-Add F3-Delete F4-Edit-----|
-----F9-EXIT-----
```

On the Add Page (Figure 2), the user can scroll between the subject and the body by pressing an F function key and after adding or revising the content of an entry, exits with another F function key. On the Search Page (Figure 3), the user types in the name of the subject, characters in the entry title and phrases in the entry body. One or more of the fields is required for the user to hit the F function key that commences the search. The matching items are then displayed below on the Search Page.

Figure 2

```
-----LifeTracker-----
      Number of Records: --- | Author: ----- | Version: -.--
First Record Time: ----- --:--:-- | Last Record Time: ----- --:--:--
-----
-----UP/Down-Change Row Left/Right-Change Column-----

|-----Subject-----|
|
|Record - (--:--:--)
|
|Title:
|-----
|
|Body:
|-----
|-----
|
|-----F2-Edit Title F3-Edit Body F7-Save-----|

-----F9-EXIT-----
```

Figure 3

```
-----LifeTracker-----
                Number of Records: --- | Author: ----- | Version: -.--
            First Record Time: ----- --:--:-- | Last Record Time: ----- --:--:--
-----
-----UP/Down-Change Row Left/Right-Change Column-----

|Search      | |Results      | |
|Subject:-----| |Record - (--:--:--)| |
|-----| |-----| |
|Title:-----| |-----| |
|-----| |-----| |
|Body:-----| |-----| |
|-----| |Record - (--:--:--)| |
|-----| |-----| |
|-----| |-----| |
|-----| |-----| |
|-----| |-----| |
|-----| |Record - (--:--:--)| |
|-----| |-----| |
|-----| |-----| |
|-----| |-----| |

-----F2-Edit Subject F3-Edit Title F4-Edit Body F5-Go to Results-----
-----F9-EXIT-----
```