"Study Navi", an application for recording study results developed with the addition of new functions

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Problem/Question

Examples of present study recording apps

Figure1. "Studyplus"

Figure2. "Gakusyu-Kirokutyou"

Points
➢ Reflect the study recording based on categories and textbooks you register in the app.
➢ Visualize the studying time by day, week, and month.
➢ Post the records on social feed.
➢ Planning function only by in-app purchase and link with other apps.

Previous Survey

We conducted a questionnaire targeting a part of high school students in our school as to survey the satisfaction of the present study recording app.

Table1. Excerpt of previous survey results (n=141)

What do you think about this system?

Questions	1	2	3
Visualized studying time	124	9	8
Visualized studied pages	83	7	51
Adding original textbooks	117	7	17
Sharing the records with other users	104	9	28
Setting goals (schools, licenses, etc.)	108	4	29
Making a studying schedule	90	5	46

1. Necessary   2. Necessary but improvements needed   3. Unnecessary

What is the page you often see and need the most?

Amount of studying time	Amount of studied pages	Studying schedule	Others' records
125	25	21	49

This question is a multiple-choice question.

Which do you care more when studying?

Amount of time	Amount of pages	Planning	Recording
44	97	31	110

Discussion
- Demands for a planning function.
- Page to compare the plans and records.
- Planning advice by AI.
- Competing system among users.

Framework

"Bubble", a no-code application builder

Profile
●Username
●Profile photo
●Sharing setting
Etc.

Prep. For Recording
●Category settings
●Textbook settings

Data base

Planning& Recording
●Categories & textbooks
●Time range
●Amount (Ex. Pages)

Plans and Results Calendar

Social Feed

Report
●Pie charts
●Bar graph
For
・Ratio by category
・Ratio by textbook
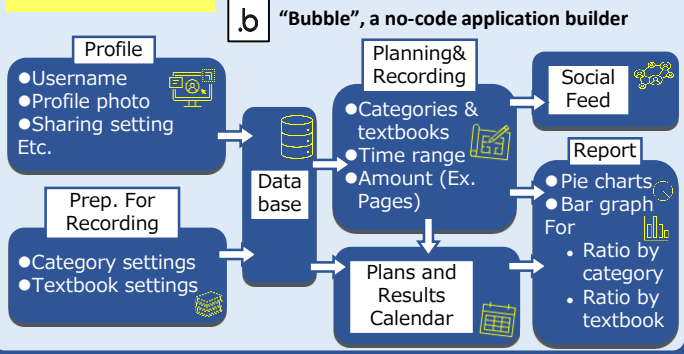
Findings

● "PLAN" page and "RECORD" page

In "PLAN" page, users make a studying plan which reflect on the calendar and see how much they completed.
In "RECORD" page, they can the records either by choosing textbook or by checking To-Do list.
The star mark (☆) means new functions.

Step1.
"RECORD" page
・ As a preparation, users need to add categories and textbooks.
・ Users can customize category colors as a mark for each of them.
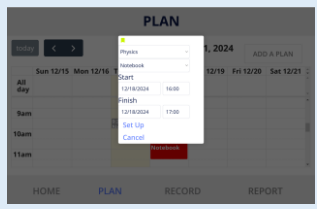
Step2.
"PLAN" page(☆)
・ Calendar.
・ Users can choose what and when they will study.
・ The corresponding time range on the calendar will be filled with the category color and the label.

Step3.
"RECORD" page
・ The study plans made in "PLAN" page will be put in "TO DO list"(☆).
・ The pop-up to enter studied content shows up when users tap the image of each textbook.
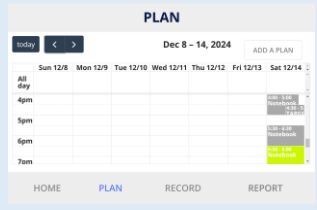
"REPORT" page
Users can see the transition of daily studying time and time ratio by category based on recorded information.

"PLAN" page
The items users completed and tapped on "TO DO LIST" turn gray in the calendar(☆).

● "HOME" page

In this page, users can see the social feed in which they share records with others. On the right side, they can see the ranking of daily studying time between users following each other.

Interpretation and Conclusion

Through this project, we developed an app for recording study results with new functions. However, we have some points to be improved.
- Simpler UI.
- A function that AI give advice for studying plans.
- Having testers actually use it and evaluate it.

References

1. Study Plus, https://app.studyplus.jp/
2. 学習記録帳＆Apps, https://www.iba-app.com/entry/18022615