CS304 Software Engineering Project Sprint 1

SVSMate – SUSTechers' Own Intelligent VScode Extension

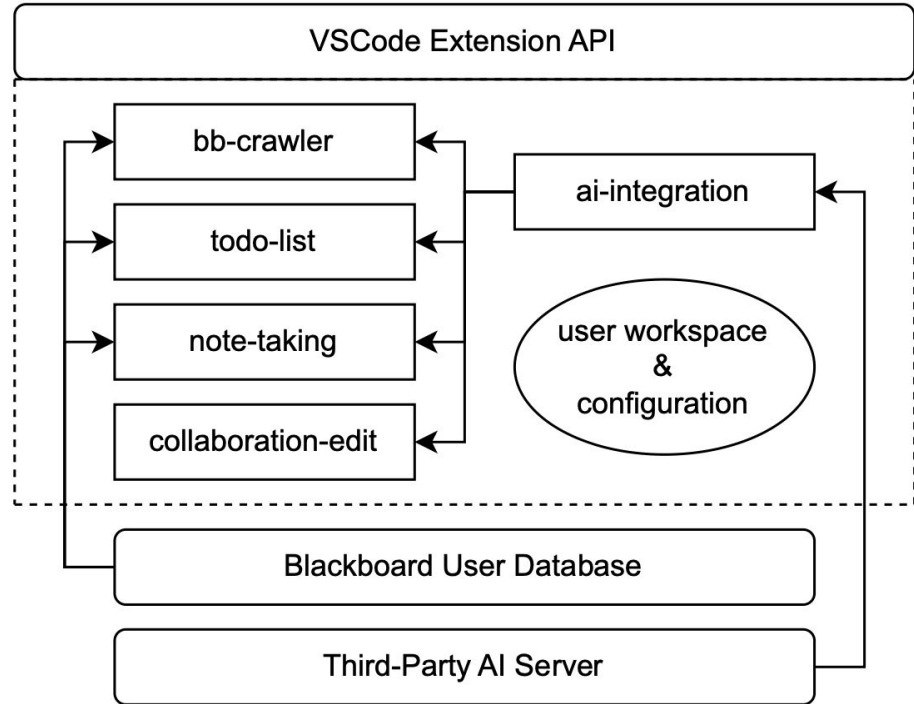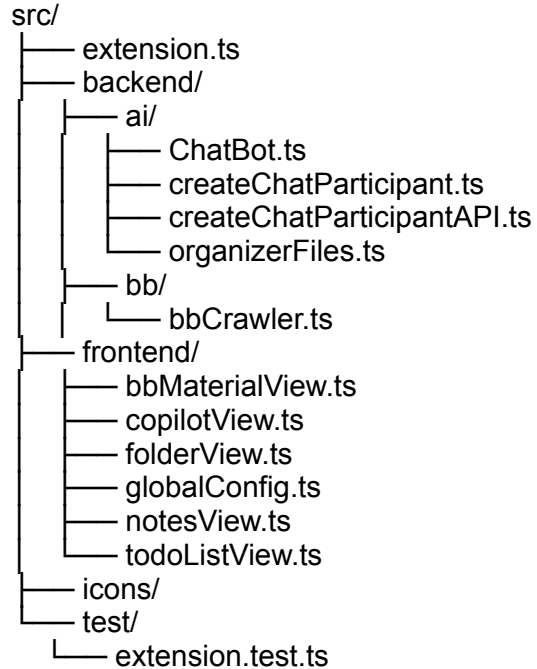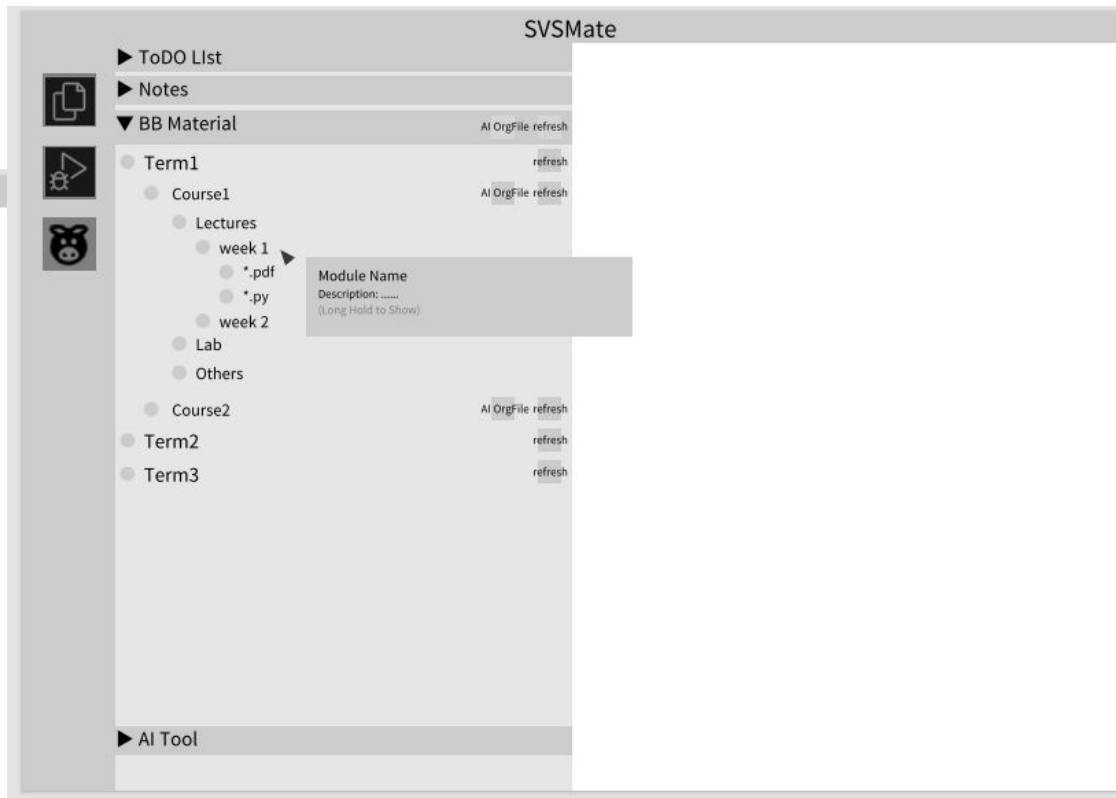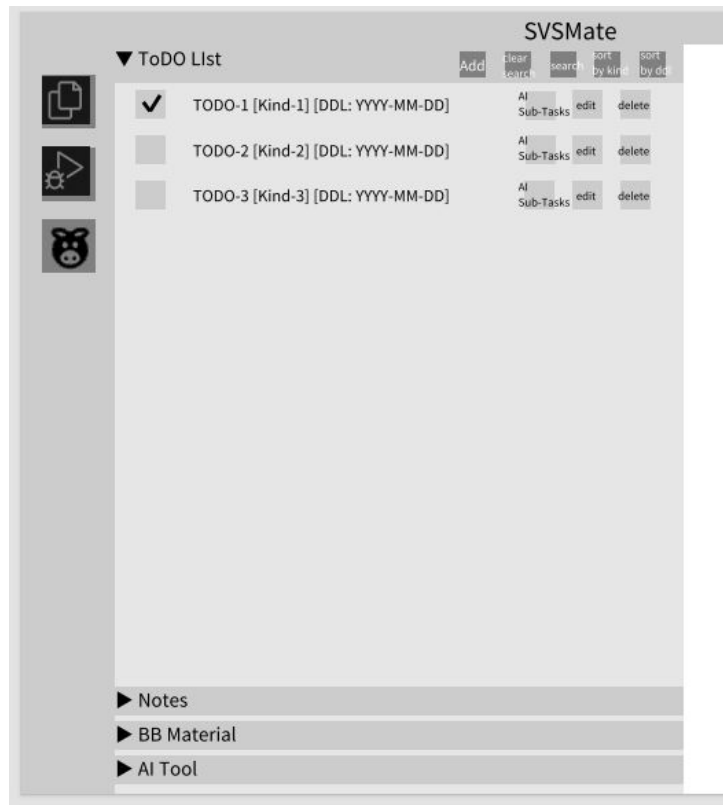| Langchu HUANG	Yutong WU	Junling TU	Kaitong QIN	Linhan HE
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Outline

- **System Architecture and UI design**

- **Git Log and Scrum Board**

- **Feature Showcase**

- **Next Sprint**

System Architecture

```
src/
├── extension.ts
├── backend/
│   ├── ai/
│   │   ├── ChatBot.ts
│   │   ├── createChatParticipant.ts
│   │   ├── createChatParticipantAPI.ts
│   │   └── organizerFiles.ts
│   ├── bb/
│   │   └── bbCrawler.ts
├── frontend/
│   ├── bbMaterialView.ts
│   ├── copilotView.ts
│   ├── folderView.ts
│   ├── globalConfig.ts
│   ├── notesView.ts
│   └── todoListView.ts
├── icons/
├── test/
    └── extension.test.ts
```

UI Design

SVSMate

▼ ToDO LIst

Add | clear search | search | sort by kind | sort by dd

☑ TODO-1 [Kind-1] [DDL: YYYY-MM-DD]   AI Sub-Tasks | edit | delete

☐ TODO-2 [Kind-2] [DDL: YYYY-MM-DD]   AI Sub-Tasks | edit | delete

☐ TODO-3 [Kind-3] [DDL: YYYY-MM-DD]   AI Sub-Tasks | edit | delete

▶ Notes

▶ BB Material

▶ AI Tool

SVSMate

▶ ToDO LIst

▶ Notes

▼ BB Material   AI OrgFile refresh

● Term1   refresh

  ● Course1   AI OrgFile refresh

    ● Lectures

      ● week 1 ▶

        ● *.pdf   Module Name

        ● *.py   Description: ......
                         (Long Hold to Show)

      ● week 2

    ● Lab

    ● Others

  ● Course2   AI OrgFile refresh

● Term2   refresh

● Term3   refresh

▶ AI Tool

Git Log

- **main**

- **dev**

- **feat-bb-crawler**

- **feat-ai-chatbot**

- **feat-todo**

- **feat-front**

```
~/S/c/repository >)) gitlog
* 82b271e (HEAD -> dev, origin/dev) feat: merge front and backend, bb-material can work now
* d9ead9a release: v0.1.0 - crawler, todo, and ai assistant
*   02130a9 (origin/feat-bb-crawler, feat-bb-crawler) merge: todo -> bb-crawler
|\
| * 8243223 (origin/feat-todo-new, feat-todo-new) fix: global json file path && feat: add icons for commands
| * 0ed0b34 fix: remove short cut key for add-todo-list
| * 59032ca feat: add two new features
* ef5d57f feat: add updateTermTree function in crawler
*   f9eeef5 merge: ai -> bb-crawle
|\
| *   876f782 (feat-ai-chatbox) merge: ai -> bb-crawler
| |\
| * | 83326b1 (origin/feat-ai-chatbox) feat: add @fileOrganizer method powered by api
| * | 41fe042 feat: add @mate deepseek chat participant by copilot api
* | | 6f5cfd7 feat: finish the functions 'updateAll' 'updateOneTerm' 'updateOneCourse' 'updateCourseJson j'
| |/
|/|
* | 535312f feat: finish func "updateCourseJson"
* | 9c2093a fix: rebuild the cas auth process
* | 4413f3f feat: add save cookit to avoid frequent login
* | 36a8fe4 bug: get and parse the course part
* | 215b3f9 feat: add vscode config to settings.json
* | e55822f feat: change the outputChannel, manage the bb_SID&bb_pw
* | 7f73920 feat: add the gloablConfig.ts
* | 41a1b19 fit: fix all the parse part
|/
* 4d6f23d feat: 1. build the constructure of bbCrawler and register the command 2. add the general outputChannel f
| * b411c2f (origin/feat-todo) feat:1. can add/edit/delete/search event 2.can display DDl but cnot highlight 3.fil
| * 27d1f18 feat: add task view sorting function
| * 5efe385 feat: Add Task Management Features & Sidebar View
| | * 40709f6 (origin/feat-front, feat-front) feat: init front-end architecture
| |/
|/|
| | * 7dab35b (origin/main, main) doc: proposal
| | | * a9e9ed3 (origin/feat-front) Feat front-end architecture
| |_|/
|/| |
* | | 0d3b287 doc: git ignore personal bb-vault and cache
* | | 140bf95 feat: basic crawler demo finished
|/ /
* / 6d3ae21 feat: init the extension template
|/
* 5062771 bb-crawler
* 5ff8b73 add deadline
```

Github Scrum Board

@CS304-Project-SVSMate · Increased items preview · Feedback

Table | Overview | Priority board | Team items | Roadmap | + New view

🔍 -status:Done

	Title	Assignees	Labels	Status	Prior...	Sub-issues progress	Start date
1	⊙ Course Material Management #1	3Mker, H-11...	features	Product Backlog	P0	2 / 5 ▰▰ 40%	Apr 8, 2025
2	⊙ make update logic nicer and code clean #49	naivecynics	backend	In progress	P1		Apr 14, 2025
3	⊙ crawl the bb calendar url for todo list #50	naivecynics	backend	To do	P2		Apr 9, 2025
4	⊙ Progress & Task Tracking #2	3Mker, H-11...	features	Product Backlog	P1	2 / 2 ▰▰▰ 100%	Apr 7, 2025
5	⊙ AI Integration #3	3Mker, H-11...	features	Product Backlog	P0	2 / 4 ▰▰ 50%	Apr 14, 2025
6	⊙ Design UI of AI tools and register AI commands #45	3Mker and K...	frontend	To do	P1		Apr 14, 2025
7	⊙ AI integration backend development #46	H-112 and na...	backend	To do	P2		Apr 14, 2025
8	⊙ Collaboration Tools #4	3Mker, H-11...	features	Product Backlog	P1	0 / 2 ▰ 0%	Mar 4, 2025
9	⊙ Design the backend of collaboration tool #48	H-112 and na...	backend	To do	P0		Apr 14, 2025
10	⊙ Design the collaboration UI #47	3Mker and K...	frontend	To do	P2		Apr 14, 2025
11	⊙ rewrite the logic of the following steps after login with the new package #26	Ts-myself	backend	In progress	P1		Apr 1, 2025
12	⊙ optimize the operations such as saving the config and synch the files i... #27	Ts-myself	backend	In progress	P1		Apr 14, 2025
13	⊙ Finish the build of the global configuration management #28	3Mker and T...	backend fronte	In progress	P1	0 / 2 ▰ 0%	Apr 13, 2025
14	⊙ Add the input field for modifying the config of svsmate config path #29	3Mker	frontend	In progress	P0		Apr 2, 2025
15	⊙ Manage the svsmate config folder (bbPDF / SID&pwd / other necessar... #30	Ts-myself	backend	In progress	P2		Apr 6, 2025
16	⊙ Develop an AI-powered feature that automatically breaks down comple... #31	H-112	backend	In progress	P0		Apr 9, 2025

Github Scrum Board

Feature Showcase

- bb-crawler
  - Download process
  - AI path mapping
- todo-list
  - Calendar
  - Hierarchy

Next Sprint

Note-taking & File-collaborations (showing scrum board)