# Presentation Slides

Overview:

The TIPE (Trauma-Informed Positive Education) App is designed to help teachers assess students' emotional readiness in real-time, addressing the current lack of digital tools. The system includes features for teachers (scoring and class reports), principals (school-wide reports), and administrators (account management). The design incorporates age-based scoring interfaces and clear visual layouts with a blue-white color scheme inspired by Berry Street. Based on LoFi usability feedback, key improvements were made to security (login system), UI clarity, and scoring flow. All project materials have been handed over via LMS, Confluence, and GitHub, with detailed setup guides and future improvement plans.
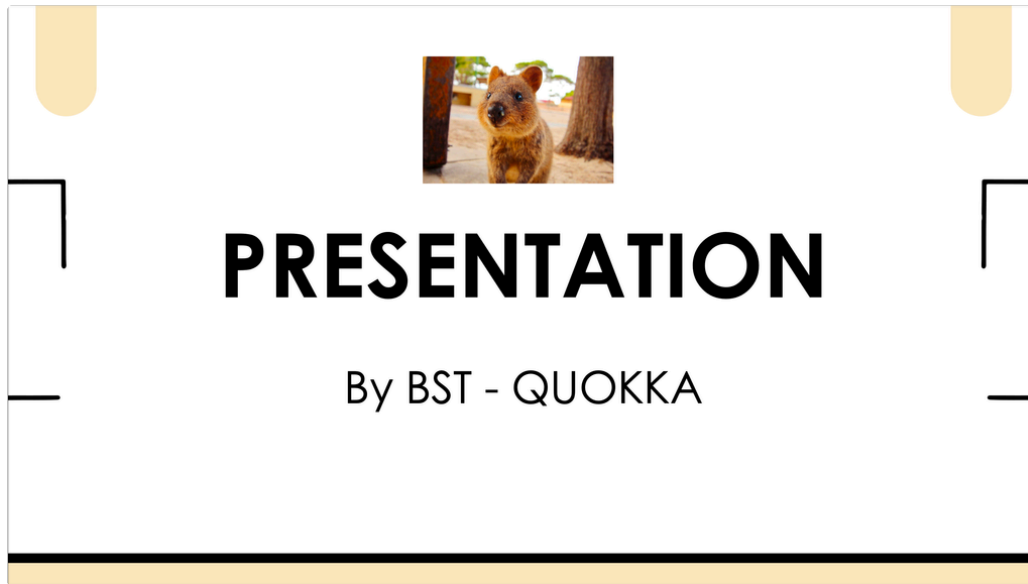
BACKGROUND

BERRY STREET EDUCATION MODEL
Curriculum and Classroom Strategies

🟦 **What is TIPE?**

Trauma-Informed Positive Education (TIPE) is a blended approach that:

- 🎈 Combines **trauma-informed strategies** (emotional healing)

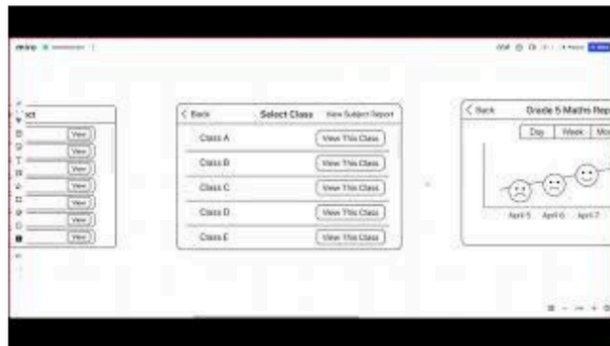- 🌟 And **positive education** (strength-based learning)

📚 **Why It Matters**

- 🧑 Helps students recover from trauma and stay engaged in class

⚠️ **The Current Problem**

- ❌ No **digital tools** to assess students' emotional readiness in real-time

- 📄 Still relies on printed materials

LoFi Usability Testing

Feedback

1. We should add **login pages** to keep information security.

2. The **expressions of the different scores** should be more differentiated.

3. There should be a **separate page to display** the Ready to Learn score.

4. **Young Age student and elder student** should have difference in numbers of choices for ready to learn score

HiFi-prototype

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login page
3 key users

teacher   Principal   Administrator

Main Scenario Teacher Feature

1. View class report 2. record student ready to learn score

Logout	Teacher

John Smith
john.smith@teacher.com
Math Teacher

View All Classes

<Back	Select Class
Class A	View This Class
Class B	View This Class
Class C	View This Class
Class D	View This Class
Class E	View This Class

Difference between Young and elder students

If student already selected the score?

If student changes the mind

Show students' Ready to Learn scores for today

View class daily, weekly, monthly report
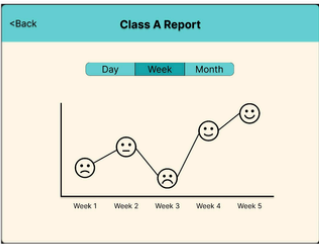
Scenario in Principal feature
view all classes in school

Logout	School Principal

Tracy Brown
tracy.brown@principal.com
School Principal

View All Subjects

<Back **Select Subject**

Grade 5 Math	View
Grade 6 Science	View
Grade 7 Math	View
Grade 5 Science	View
Grade 7 English	View
Grade 8 Science	View

Scenario in administrator
Add new user account

Logout	Administrator

Micheal Lee
michael.lee@admin.com
System Administrator

Manage All Accounts

<Back   Add New Account

Alice Brown Student	Edit	Delete
John Smith Teacher	Edit	Delete
Tracy Brown Principal	Edit	Delete
Dennis Wilson Administrator	Edit	Delete

Another Scenario in administrator feature
Add new user account

<Back   Save

Name*
Email
Age
Subject Taught
Subject Taught

EXAMPLE

Principal	Teacher	Student	Administrator

<Back   Save

Emily Chen
Email
35
Subject Taught
Subject Taught

Principal	Teacher	Student	Administrator

Difference in user list
between before and after

Before

Alice Brown Student	Edit	Delete
John Smith Teacher	Edit	Delete
Tracy Brown Principal	Edit	Delete
Dennis Wilson Administrator	Edit	Delete

<Back   Add New Account

After

<Back   Add New Account

Alice Brown Student	Edit	Delete
John Smith Teacher	Edit	Delete
Tracy Brown Principal	Edit	Delete
Dennis Wilson Administrator	Edit	Delete
Emily Chen Teacher	Edit	Delete

Visual Design

- Main color tones: Blue & White (Source: Berry Street official website)
- Button color: Use striking contrasting colors to ensure clear operation feedback
- Font selection: Sans-serif font, clear and easy to read

Visual Design

Student Page

Confirm your choice

Alice Brown   27 May, 2025

Submit   Rechoose
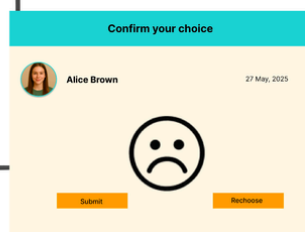
Simple and intuitive, with clear ICONS

Teacher/ Principal Page

<Back   Alice Brown

Alice Brown
15 years old

Day | Week | Month

Week 1 | Week 2 | Week 3 | Week 4 | Week 5
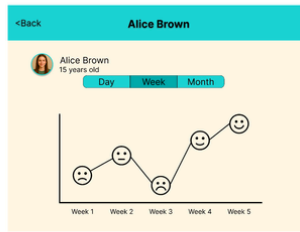
Overview of Trends, rich data charts

Administer Page

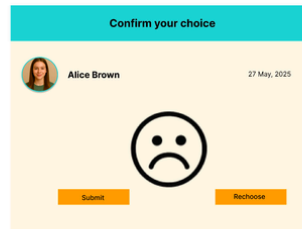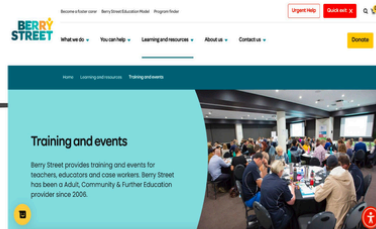<Back   Add New Account

Alice Brown Student	Edit	Delete
John Smith Teacher	Edit	Delete
Tracy Brown Principal	Edit	Delete
Dennis Wilson Administrator	Edit	Delete

Account Management

Visual Design

Student Page	Teacher/ Principal Page	Administer Page

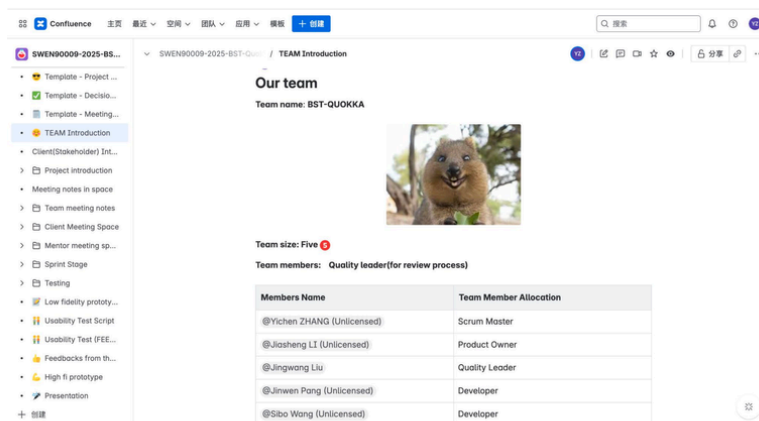Simple and intuitive, with clear ICONS

Overview of Trends, rich data charts

Account Management

Project handover

Confluence

User Stories

🐨 User stories

The following table outlines user stories for the T3PE APP project. These stories help identify user needs and guide development by clearly showing goals from the users. Each user story includes its prioritization level and whether it represents a functional or non-functional requirement.

| ID	As	I want to Search documents and file names for text	So that	Prioritization	Size Estimation	MoSCoW	Func/Non-Func
1	An elder student	submit a 1-5 scale " ready to learn" check-in via the app	my teacher can know how students	High	Small	Must	Functional
2	A teacher	view a report of student responses	I can quickly identify which students need support	High	Medium	Must	Functional
3	A teacher	use the app on iPad or desktop (not phone)	I can conveniently use it on school devices	High	Small	Must	Non-Functional
4	A student	re-rate my "ready to learn" score before it's locked	I can change my previous score	Medium	Small	Should	Functional
5	A teacher	view and export long-term trend reports (e.g. weekly/monthly)	I can identify patterns and plan support accordingly	Medium	Large	Should	Functional
6	A school leader (e.g. principal or coordinator)	access overall class or year-level readiness trends	I can support teachers and identify school-wide emotional patterns	Medium	Large	Should	Functional
7	A student	see friendly icons or emojis for each rating point	I can better relate to the scores and enjoy using the app	Medium	Small	Should	Functional
8	A teacher	log in securely with a password	I can access student reports safely	High	Small	Must	Functional
9	A school admin	upload student profile details (names, classes) into the system	the app can match responses with students correctly	High	Medium	Must	Functional
10	A teacher	access multiple classes that I teach	I can manage reports and check-ins across all my classes	Medium	Small	Should	Functional
11	A teacher/ A school principle/ An administrat or	create an account	I can start using the system	High	Small	Must	Functional
12	A teacher/ A school principle/ An administrat or	reset my password if I forget it	I can regain access to my account securely	High	Small	Must	Functional
13	A young age student	submit a 1-3 scale " ready to learn" check-in via the app	my teacher can know how students feel	High	Small	Must	Functional
14	A school admin	Edit user's profile	I can update account information easily	High	Small	Must	Functional
15	A school admin	Delete user's profile	I can remove outdated or invalid user data	High	Small	Must	Functional

Size Estimation Reference:

- Small = 1 developer-day
- Medium = 2-3 developer-days
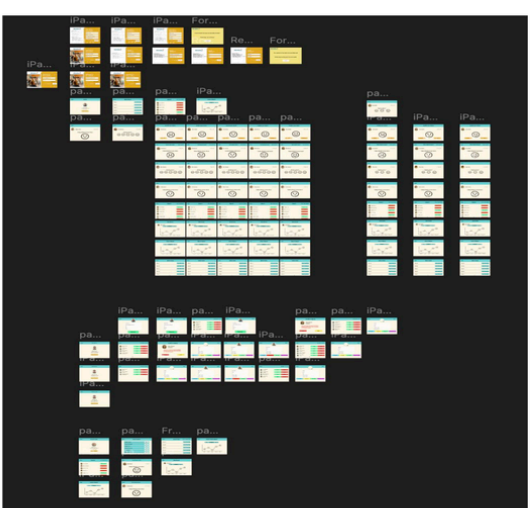- Large = 4+ developer-days

Prioritization Strategy:

MoSCoW priorities were determined through discussion with the client and team members, based on impact on student wellbeing, technical feasibility, and urgency for MVP.

Github
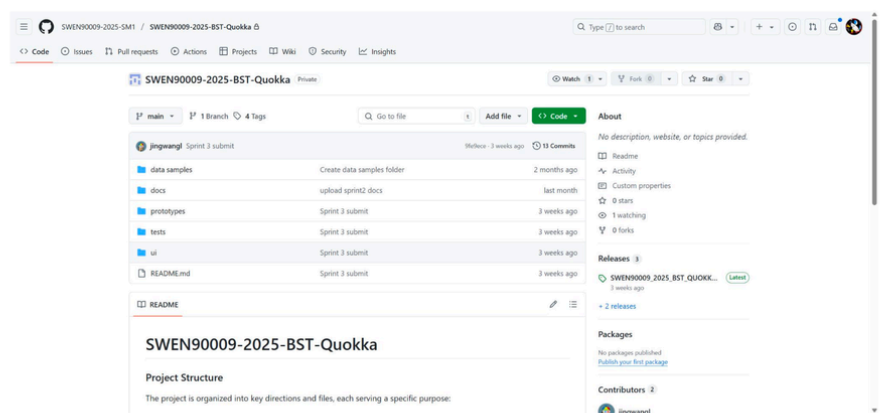
Figma

Future Plan

1. what can be better?

2. Handover plan

What can be improved in the future system

What Can Be Improved

- **Database design when coding** : Develop a proper database to store and manage the relationship between students and their classes.

- **Improved UI**: Enhance the user interface to be more intuitive, especially for students of different age groups.

- **Age-based differentiation**: Implement clearer functional and visual differences between young and elder students in the scoring and interface design.

Reflections

What We Did Well

- Delivered a complete and functional HiFi prototype with core features (login, scoring, reports).

- Responded effectively to user feedback from LoFi testing by improving UI clarity and scoring flow.

Team Collaboration

- Clear team roles helped streamline development.

- Regular communication allowed us to incorporate feedback quickly and iterate effectively.

What Could Be Improved

- Early-stage **user stories** were not detailed enough, which limited design coverage at first.

- Better **tooling and planning** at the beginning would have improved workflow efficiency.