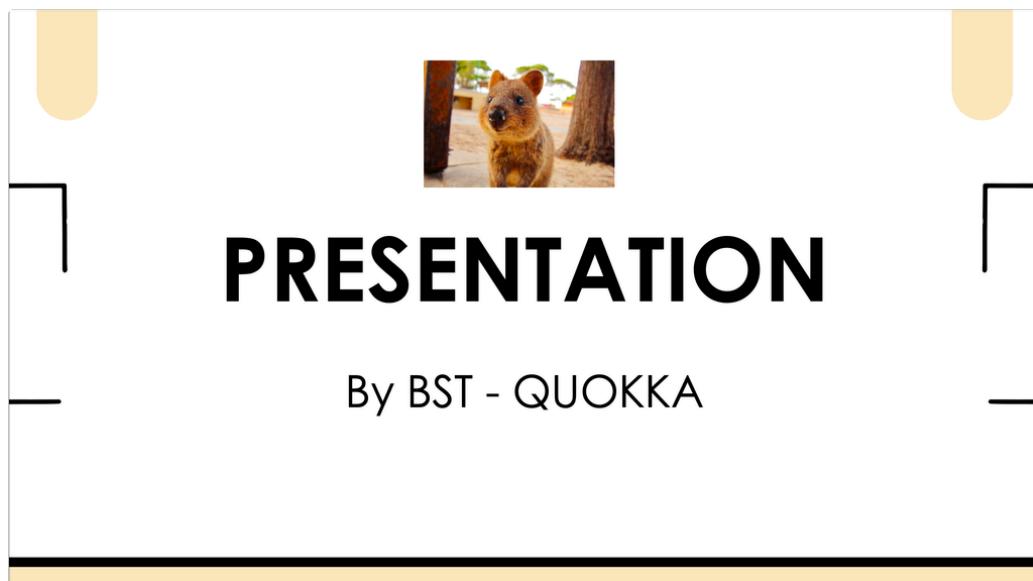


Presentation Slides

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.



A presentation slide with a white background. At the top center is a small photograph of a quokka. Below it is a large, bold, black sans-serif font header that reads "PRESENTATION". Underneath the header is a thin horizontal line followed by the text "By BST - QUOKKA" in a smaller, black, sans-serif font. A thick horizontal bar in the same yellow-orange color as the side accents runs across the middle of the slide.



A presentation slide with a white background. At the top center is a large, bold, black sans-serif font header that reads "Team introduction". Below the header is a thin horizontal line followed by a list of five names and their roles, each preceded by a small gray icon: a person for @Yichen Zhang (Scrum Master), a product box for @Jiasheng Li (Product Owner), a gear for @Jingwang Liu (Quality Leader), a developer icon for @Jinwen Pang (Developer), and a developer icon for @Sibo Wang (Developer). A thick horizontal bar in the same yellow-orange color as the side accents runs across the bottom of the slide.

BACKGROUND



■ 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)

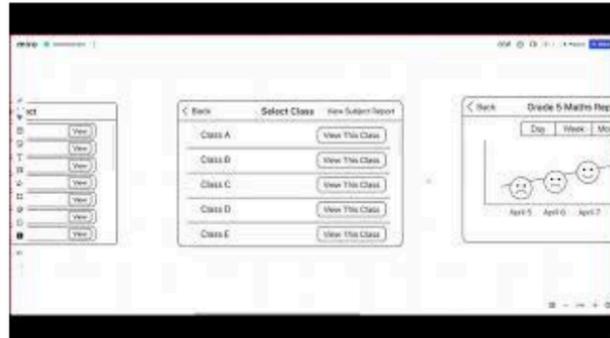
▣ Why It Matters

- 😊 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

login page
3 key users

The diagram illustrates the login process for three user roles. At the top is a general 'Welcome To Berry Street' login screen with fields for email and password, and links for 'Forgot password?' and 'Don't have an account yet?'. Below it, three specific login screens are shown, each featuring a background image of students in a classroom:

- Teacher:** Shows a teacher at the front of the class. The email field contains 'john.smith@teacher.com'.
- Principal:** Shows a teacher at the front of the class. The email field contains 'tracy.brown@principal.com'.
- Administrator:** Shows a teacher at the front of the class. The email field contains 'michael.lee@admin.com'.

Main Scenario Teacher Feature

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

The interface consists of two main sections:

- Logout**: A button labeled 'Logout'.
- Teacher**: Displays a profile picture of a man, the name 'John Smith', the email 'john.smith@teacher.com', and the title 'Math Teacher'. Below this is a yellow button labeled 'View All Classes'.

Select Class

<Back	Select Class
Class A	<button>View This Class</button>
Class B	<button>View This Class</button>
Class C	<button>View This Class</button>
Class D	<button>View This Class</button>
Class E	<button>View This Class</button>
▼	

Difference between Young and elder students

<Back Class A View Class Report

Alice Brown No Score
Bob Johnson No Score
Coral Smith No Score
David Lee No Score
Emma Jones View Score

Carol Smith 27 May, 2025 Ready to learn?
Alice Brown 27 May, 2025 Ready to learn?

If student already selected the score?

<Back Emma Jones 27 May, 2025 Today's Ready to Learn Score
:(

If student changes the mind

Show students' Ready to Learn scores for today

Confirm your choice Alice Brown 27 May, 2025
Submit Rechoose

<Back View Student report Next Student Alice Brown 27 May, 2025 Today's Ready to Learn Score
:(

View class daily, weekly, monthly report

<Back Class A Report Day Week Month
May 26 May 27 May 28 May 29 May 30

<Back Class A Report Day Week Month
Week 1 Week 2 Week 3 Week 4 Week 5

<Back Class A Report Day Week Month
January February March April May

Scenario in Principal feature

view all classes in school

The screenshot shows the 'School Principal' dashboard. At the top, there's a 'Logout' button and a profile picture of Tracy Brown. Below the profile, her name, email (tracy.brown@principal.com), and title ('School Principal') are displayed. A yellow 'View All Subjects' button is at the bottom. To the right, a 'Select Subject' sidebar lists various grade levels and subjects with 'View' buttons: Grade 5 Math, Grade 6 Science, Grade 7 Math, Grade 5 Science, Grade 7 English, and Grade 8 Science.

Scenario in administrator

Add new user account

The screenshot shows the 'Administrator' dashboard. At the top, there's a 'Logout' button and a profile picture of Micheal Lee. Below the profile, his name, email (michael.lee@admin.com), and title ('System Administrator') are displayed. A yellow 'Manage All Accounts' button is at the bottom. To the right, a 'Add New Account' sidebar lists existing accounts: Alice Brown (Student), John Smith (Teacher), Tracy Brown (Principal), and Dennis Wilson (Administrator). Each account has 'Edit' and 'Delete' buttons.

Another Scenario in administrator feature

Add new user account

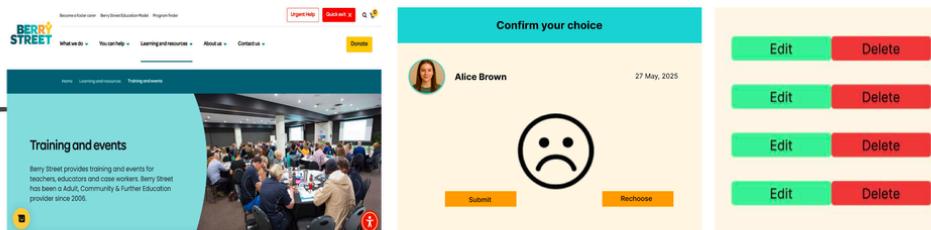
The screenshot shows two steps of the 'Add New Account' process. Step 1: A form with fields for Name*, Email, Age, and Subject Taught. Below the fields are buttons for 'Principal' (blue), 'Teacher' (yellow), 'Student' (green), and 'Administrator' (purple). Step 2: The same form with a placeholder profile picture, filled-in fields (Emily Chen, Email, 35, Subject Taught), and the same color-coded buttons for roles.

Difference in user list between before and after

Before	After
<Back Add New Account	<Back Add New Account
 Alice Brown Student Edit Delete	 Alice Brown Student Edit Delete
 John Smith Teacher Edit Delete	 John Smith Teacher Edit Delete
 Tracy Brown Principal Edit Delete	 Tracy Brown Principal Edit Delete
 Dennis Wilson Administrator Edit Delete	 Dennis Wilson Administrator 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



The image shows a side-by-side comparison of two user interface designs. On the left is a screenshot of the Berry Street official website's 'Training and events' section. On the right is a proposed redesign of the same section. The proposed design features a large, bold 'Confirm your choice' header, a large ':(sad face icon, and prominent orange 'Submit' and 'Rechoose' buttons, all set against a light blue background.

Visual Design



The image displays three proposed visual designs for different user pages:

- Student Page:** Features a 'Confirm your choice' header, a large ':(sad face icon, and orange 'Submit' and 'Rechoose' buttons.
- Teacher/Principal Page:** Features a 'Confirm your choice' header, a large ':(sad face icon, and orange 'Submit' and 'Rechoose' buttons. It also includes a chart showing mood trends over five weeks.
- Administer Page:** Features a 'Confirm your choice' header, a large ':(sad face icon, and orange 'Submit' and 'Rechoose' buttons. It includes a user list with 'Edit' and 'Delete' buttons.

Simple and intuitive,
with clear ICONS

Overview of Trends,
rich data charts

Account Management

Visual Design

Student Page

Confirm your choice

Alice Brown 27 May, 2025

Sad Face Icon

Submit Rechoose

Teacher/ Principal Page

<Back Alice Brown

Alice Brown 15 years old Day Week Month

Mood Line Chart

Week 1 Week 2 Week 3 Week 4 Week 5

Administrator Page

<Back Add New Account

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

Simple and intuitive, with clear ICONS

Overview of Trends, rich data charts

Account Management

Project handover

Confluence

SWEN90009-2025-BST-Quokka / TEAM Introduction

Our team

Team name: BST-QUOKKA

Team size: Five

Team members: Quality leader(for review process)

Members Name	Team Member Allocation
@Yichen ZHANG (Unlicensed)	Scrum Master
@Jiaosheng LI (Unlicensed)	Product Owner
@Jingwong Liu	Quality Leader
@Jinwen Pang (Unlicensed)	Developer
@Siba Wong (Unlicensed)	Developer

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	So that	Prioritization	Size Estimation	MoSCoW	Func./Non-Func.
Search documents and file names for text							
1	An elder student	submit a 1-5 scale "ready to learn" check-in via the app	my teacher can quickly identify which students need more support	High	Small	Must	Functional
2	A teacher	view a report of student responses	I can quickly identify which students need more 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 time to go home	I can change my previous score	Medium	Small	Should	Functional
5	A teacher	view and export long-term trend reports (e.g. growth/achievement)	I can identify patterns and plan support accordingly	Medium	Large	Must	Functional
6	A school leader (e.g. year-level principal or coordinator)	access overall class results for each rating point	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 my student reports safely	High	Small	Must	Functional
9	A school admin	upload student profile details (names, classes) into the app	the app can match responses correctly	High	Medium	Must	Functional
10	A teacher	crosses 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 administrator	create an account	I can start using the system	High	Small	Must	Functional
12	A teacher/ A school principle/ An administrator	reset my password if I forgot it	I can regain access to my account security	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

SWEN90009-2025-SM1 / SWEN90009-2025-BST-Quokka

Type ⌂ to search

Code Issues Pull requests Actions Projects Wiki Security Insights

SWEN90009-2025-BST-Quokka

Code About

No description, website, or topics provided.

jingnengl · Sprint 3 submit

data samples Create data samples folder 16 days ago 1 Commit

docs upload sprint docs last month

prototypes Sprint 3 submit 3 weeks ago

tests Sprint 3 submit 3 weeks ago

ui Sprint 3 submit 3 weeks ago

README

SWEN90009-2025-BST-Quokka

Project Structure

The project is organized into key directories and files, each serving a specific purpose:

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.