



T3A2 School Yearbook App

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Website Description



A Digital School Yearbook

Makes a permanent record of all students in attendance for a year level that has graduated a school.

- Displays Image of the Student
- Contact Information on the student
- Final Thoughts



Features/Functionality

- The admin can add students to the app
- The students can update their details
- The admin can upload photos and display them for students
- The students can fill out a questionnaire regarding their final thoughts
- The student can provide contact details
- Admin can invite students to the app via an email code.
- The app will allow admin and student logins.



Target Audience

The Application is targeted at all school stakeholders this includes :

- students of the graduating year level
- other students at the school.
- alumni members
- Parents of the students
- Teachers and other staff



Tech Stack

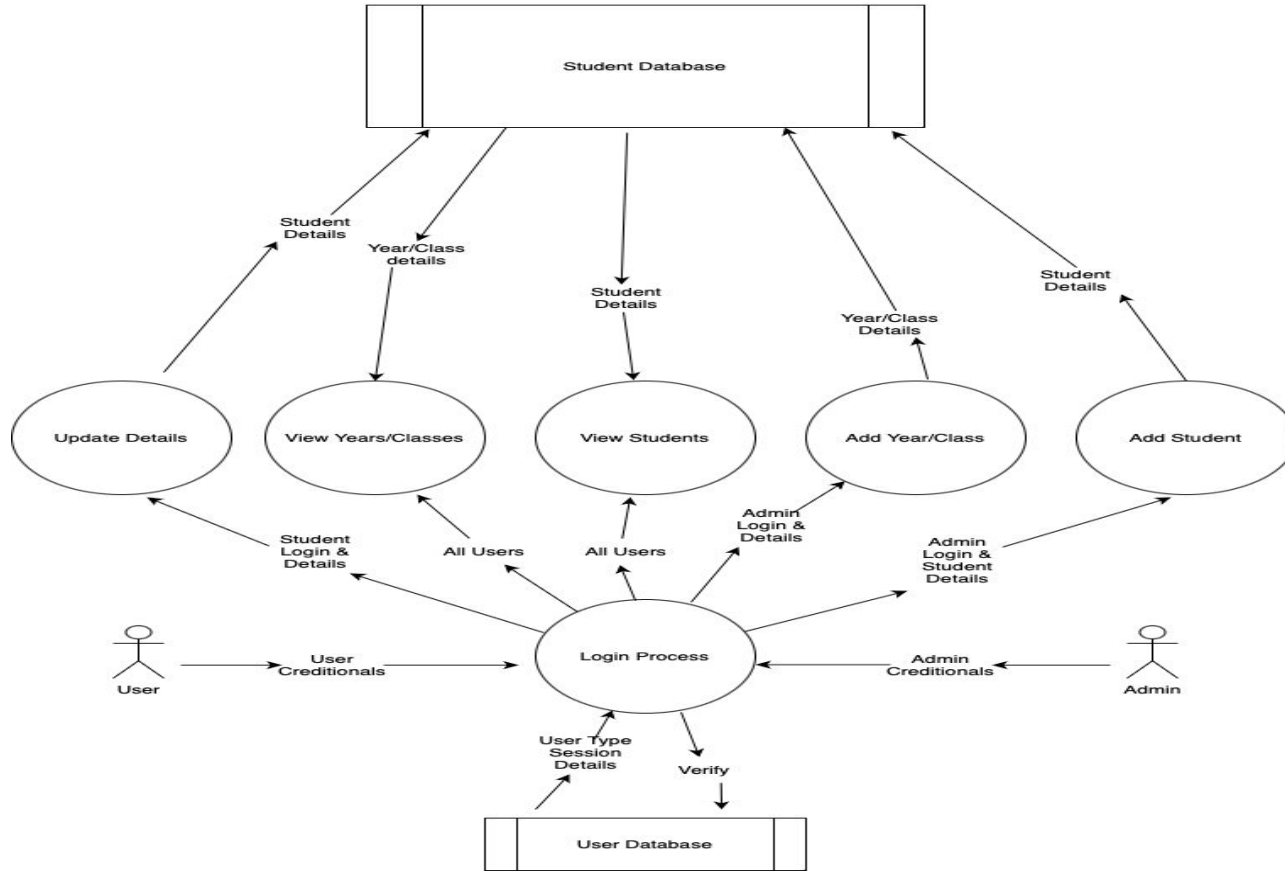
This application uses the MERN technology stack.

- MongoDB
- Express.js server
- Node.js
- React front end.

The front and back end server will be deployed onto a cloud service.

Dataflow Diagram

Dataflow Diagram



User Stories



User Stories

Split into three categories:

1. All users (students and admin)
2. Admin only
3. Students only

Throughout the planning process, we found that we needed to add and modify ideas in order for the application to work better. Hence, user stories from the beginning of the planning phase were updated to reflect these changes.



Initial User Stories

All users:

1. As a user, I would like to be able to add a student profile into different classes/cohorts and year levels, so that student data is organised into the correct categories.
2. As a user, I would like to be able to login and view a list of students in each class and year level/cohort at my school.
3. As a user, I would like to be able to click into individual students and see their relevant information, so that I can stay in touch with classmates and connect with acquaintances.
4. As a user, I would like to have a navigation bar so that I can easily access different parts of the website.



Initial User Stories

Admin only:

1. As an admin, I want to be able to remove any profile from the database to ensure data integrity.

Students only:

1. As a student, I would like to be able to update my information, so that others can get in touch with me via my current contact details if needed, however I would like to ensure that only admin and myself can manipulate my account, for better security.
2. As a student, I want to be able to delete any information on my account, or my entire profile, from the database so that I have control over my information.



Revised User Stories with Updated Features

All users:

1. As a user, I would like to be able to login and view a list of classes in my school, and the students in each class.
2. As a user, I would like to be able to click into individual students and see their relevant information, so that I can stay in touch with my classmates and connect with acquaintances.
3. As a user, I would like to have a navigation bar so that I can easily navigate around the application.
4. As a user, I would like to be able to reset my login password for better security.



Revised User Stories with Updated Features

Admin only:

1. As an admin, I would like to see a list of all yearbooks and classes at my school, and be able to modify or delete them as appropriate, in case of error or duplication.
2. As an admin, I would like to be able to input a class of students along with their email and photos, and modify and delete student data as needed in case of error or duplication.
3. As an admin, I would like to be able to send out an invitation code to students so they can utilise the code to sign up and create their own accounts, this will ensure that only students who are actually in the class will be able to register to that class.

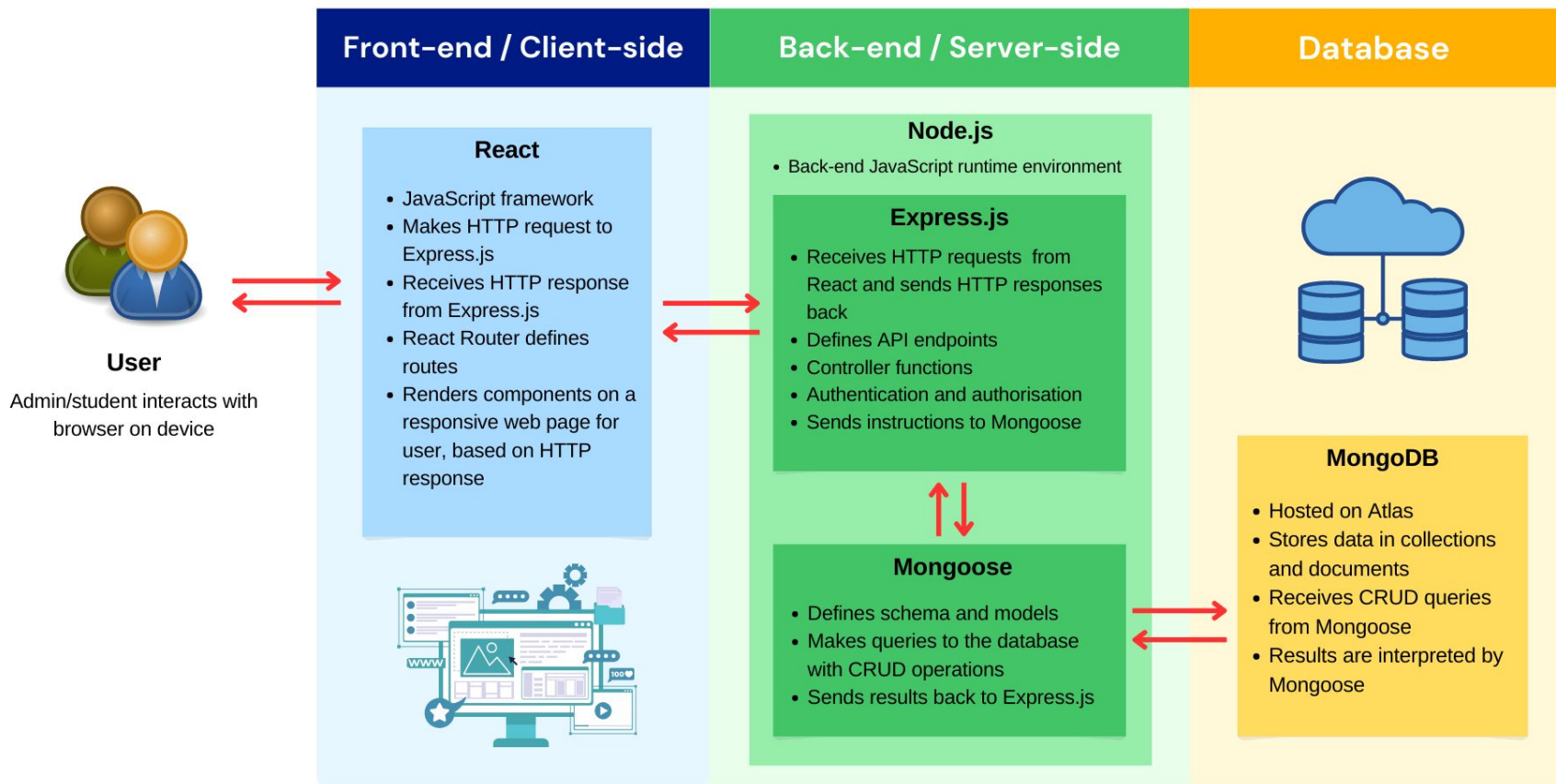


Revised User Stories with Updated Features

Students only:

1. As a student, I would like to receive a secure invitation code and link from my school admin to be able to register an account.
2. As a student, I would like to be able to add, modify and delete any of my data from my account, and ensure that only the admin or myself can manipulate my account, for better security.

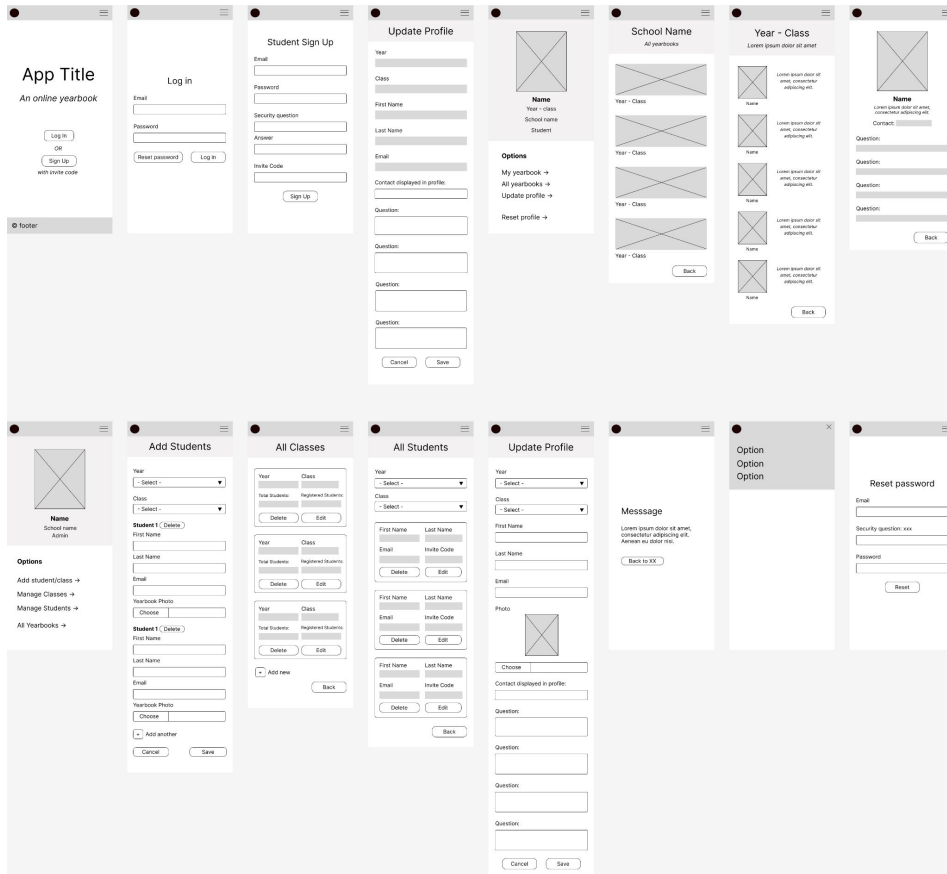
Application Architecture Diagram



Wireframes

Mobile

[View in Figma](#)





Tablet

App Title
An online yearbook

Log in
or
Sign Up
with mobile code

School Name
of your school

Year - Class
Learn your class schedule

All Classes

All Students

Update Profile

Message
Learn more about all email, connection and linking
Add new item

Reset password

Student Sign Up

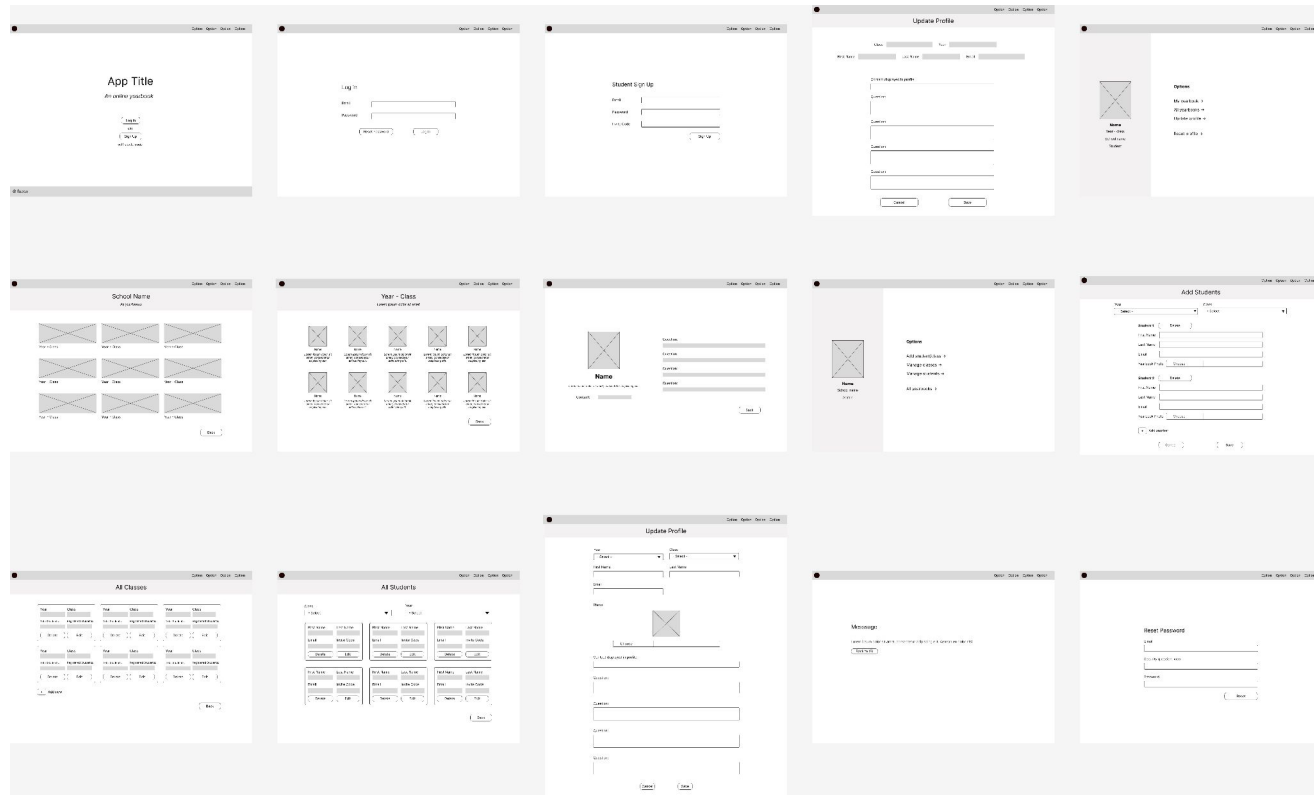
Log in

Update Profile

Add Students

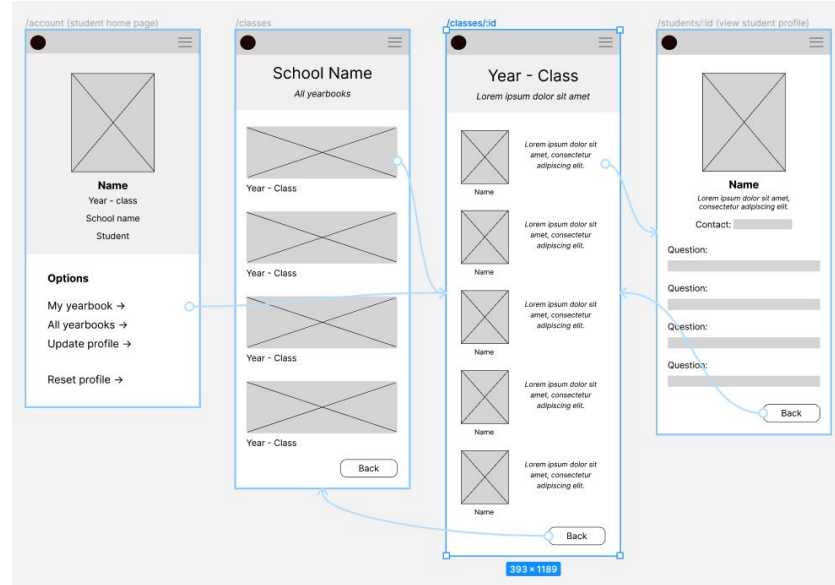
Update Profile

Reset password



Relationships between screens

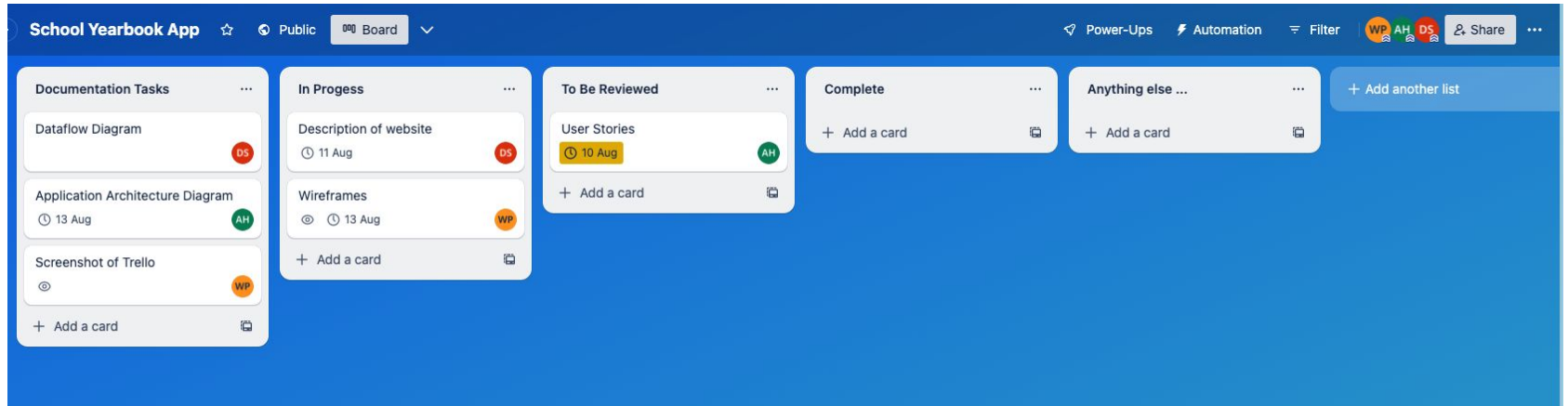
- [Student flow - Figma](#)
- [Admin flow - Figma](#)





Trello board

9 August: project start



19 August: near-complete

The image shows a Trello board with a blue background and five columns. Each column has a title bar with a three-dot menu icon. The cards in the board are as follows:

- Documentation Tasks**:
 - Card: Screenshot of Trello (with a WP tag)
 - + Add a card
- In Progress**:
 - Card: Dataflow Diagram (with a DS tag)
 - Card: Description of website (with a DS tag and a red clock icon labeled '11 Aug')
 - Card: Powerpoint presentation (with AH, DS, and WP tags, and a clock icon labeled '20 Aug' and an envelope icon labeled '3/6')
 - Card: Compiled documentation README.md (with AH, DS, and WP tags)
 - + Add a card
- To Be Reviewed**:
 - Card: Wireframes (with a clock icon labeled '15 Aug', an envelope icon labeled '2/2', and a WP tag)
 - Card: Application Architecture Diagram (with a clock icon labeled '13 Aug' and an AH tag)
 - Card: User Stories (with a clock icon labeled '15 Aug', an envelope icon labeled '2/2', and an AH tag)
 - + Add a card
- Complete**:
 - Card: Submit idea for Approval (with a clock icon labeled '13 Aug')
 - + Add a card
- Anything else ...**:
 - + Add a card

Subtasks

User Stories

in list [To Be Reviewed](#)

Members

Notifications

Due date

AH

+

👁 Watch

✓

15 Aug at 17:00

Complete

▼

≡

Description

Add a more detailed description...

✓ Checklist

Hide checked items

Delete

100%

✓

Initial user stories

✓

Refined user stories with new features

Add an item

Wireframes

in list [To Be Reviewed](#)

Members

Notifications

Due date

WP

+

👁 Watching

✓

15 Aug at 21:00

Complete

▼

≡

Description

Add a more detailed description...

✓ Checklist

Hide checked items

Delete

100%

✓

complete draft wireframes

✓

refine wireframes based on team discussion

Add an item

Powerpoint presentation

in list [In Progress](#)

Members

Notifications

Due date

AH

DS

WP

+

👁 Watching

✓

tomorrow at 23:30

▼

≡

Description

Add a more detailed description...

✓ Checklist

Hide checked items

Delete

50%

☐

Description of website

☐

Dataflow Diagrams

☒

App-Architecture-Diagram

☒

User-Stories

☒

Wireframes

☐

Trello screenshot

Add an item