

Admin password = lizzies_password

Project ideas:

- Sensor with program for taking data and creating a viewable database
- Website for the sports department for all the clubs and events
- Volleyball admin website for BHS
- Volleyball BHS school history
- Volleyball website with links to youtube channels and helpful information for new players in NZ
- Burnside high school sports history

This is the one I chose ^

What is my project about?:

- It presents information about sports wins in Burnside's history
- It provides information about past events and athletes
- Features photographs of past and present athletes and events
- Shows awards that have been won at burnside
- Shows/provides links to articles about burnsides athletes

Who is my website for?

My website is for people who are interested in burnside or its sports history. This includes past and present athletes at BHS, and also students who are interested in joining sports teams/clubs or who want to see how Burnside has done at a sport in the past. Another group that could be interested in my website are those that are looking for information about past awards for teams at Burnside.

What will my website include?

My website showcases the achievements of Burnside High School athletes.

My website will have blog posts about sports achievements/accomplishments, and show articles about athletes.

My website will have a way for new athletes to be input into the website that is secure and password protected.

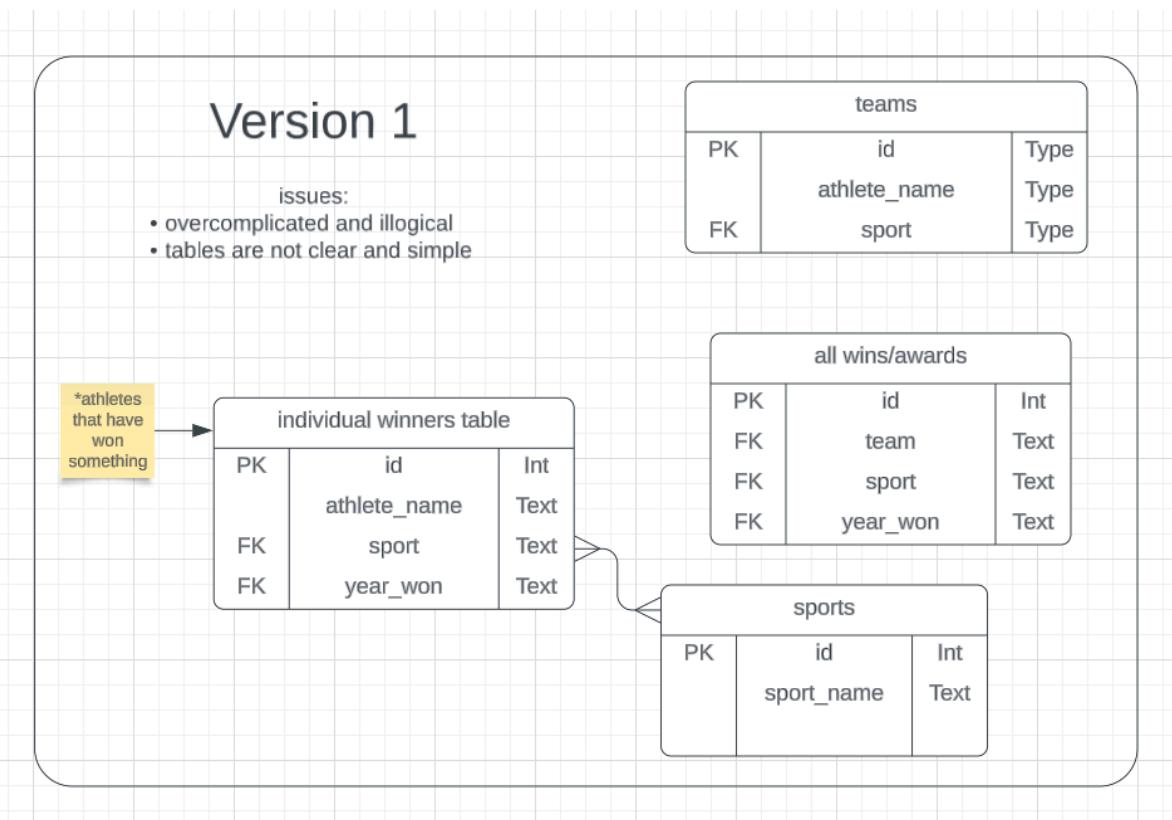
What makes my website unique?

The main advantage of my website is that it brings together information about sports at Burnside, because in the past information has not had a central location to be highlighted in. This has meant that many achievements are not given the recognition that they deserve. Currently, it is very difficult to find information about the statistics of previous sports teams at Burnside, and my website aims to change this and make information more accessible. The sports awards are available in the school yearbooks, but only the yearbooks from 2019 to 2024 are available online.

First iteration - planning stage

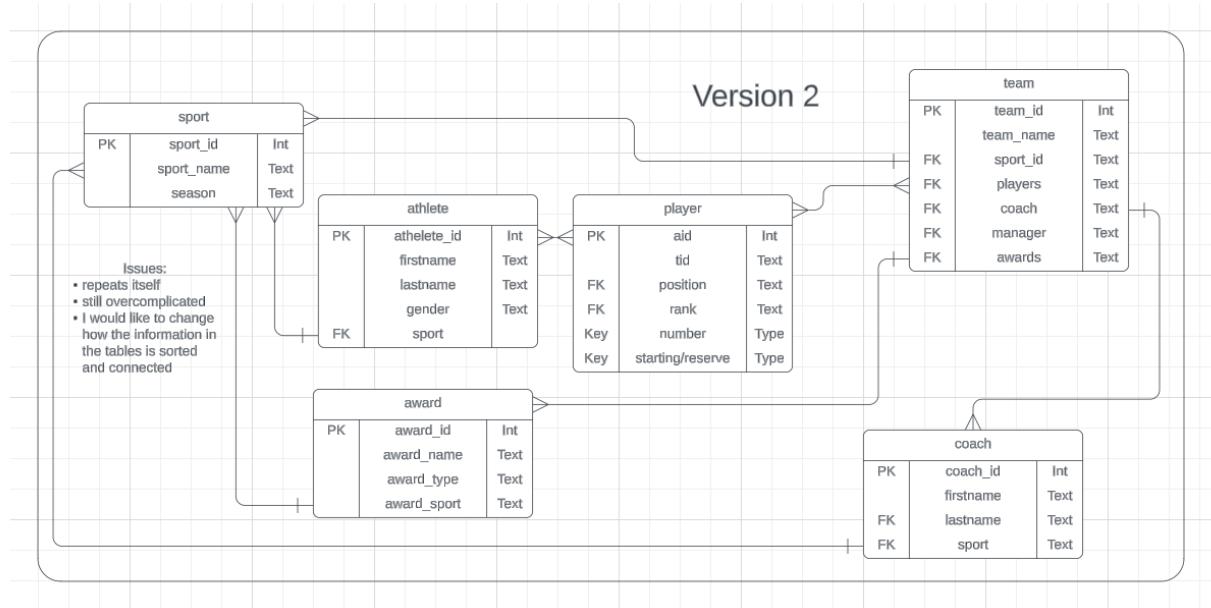
Initial ER diagram:

Version 1:



This is the first and most basic version of the database.

Version 2:



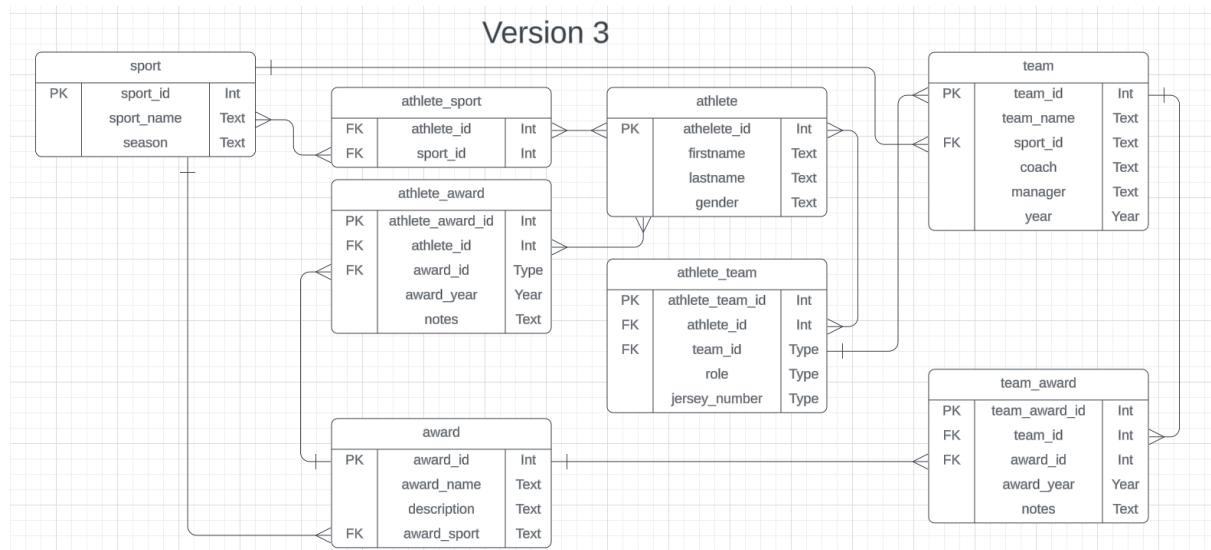
The tables player, coach, and award were added. This adds more variety to the information that my database will store. In this version we can see that all of the tables are connected (unlike version 1).

Next steps:

- Add awards data to database
- Test connection between database, and test displaying data

Version 3 database notes and design:

LucidChart ER diagram:



Summary of tables:

Athlete table:

The athlete table is the “centre” of my database, as all of the other tables branch out from or connect to the athlete table in some way. This table stores the athlete's personal id number, their first and last name, and their gender.

Athlete_Sport table:

The athlete table connects the athlete table to the sports table, linking the athletes to one or more sports.

Sport table:

This table contains the id of the sport, the name of the sport, and the season that the sport is played is.

Award table:

The award table has the award id, the name of the award, a brief description of the award, and the sport that the award corresponds to (using the sport id).

Athlete_Award table:

The athlete_award table links the athlete table and award table, along with adding some additional information. The primary key is the athlete_award_id, and the table has two foreign keys; athlete_id and award_id. This table also stores the year that the award was presented to the athlete, and a section for any additional notes.

Team table:

The team table has the primary key of team id, and includes a foreign key of the sport that the team plays. It also contains the name of the team, the name of the coach and manager, and the year of that team. The year is important because all the information about a team could be the same, except that it was in a different year, and may have won awards in that year.

Athlete_Team table:

Athlete_Team links the foreign key of athlete_id to a team_id, and creates an athlete_team_id for the athlete as a player on that team. It also includes the role of on the team of the athlete (eg. player, captain), and their jersey number (if applicable).

Team_Award table:

The team_award table has the foreign keys of team_id and award_id, and creates an id as the primary key. This table links the award table and the team table together, as well as adding what year the team won the award and also a space for any additional notes.

Where is the information from?

I am getting all my information about sports awards and sports successes from the school yearbooks. Because the information will take a long time to go through and transfer to my database, at this point I plan to only go back 10 years.

Sports awards 2024

<https://hail.to/burnside-high-school/publication/GCAdIYs/article/Hhc3WGT#hail-cb-MGkxiPB>

Sports handbook 2022

<https://www.burnside.school.nz/wp-content/uploads/2023/02/BHS-Sports-Handbook-2022.pdf>

Sports awards 2019

<https://hail.to/burnside-high-school/publication/Qm5HZYs/article/C7B9HRD>

Example of database data (first iteration):

athlete

athlete_id	1
firstname	junie
lastname	chang
gender	female

award

award_id	35
award_name	the petrie cup
description	most worthy golf player
sport	15

sport

sport_id	15
sport_name	golf
season	all year

athlete_sport

athlete_id	1
sport_id	15

athlete_award

athlete_award_id	1
athlete_id	1
award_id	35
award_year	2024
notes	

In this instance, the team, athlete_team, and team_award tables are not used, since Junie is not participating in a team sport.

This is an example of how information in the tables links together.

Homepage design outline:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Burnside Sports Awards</title>
    <!-- link to CSS here -->
  </head>
  <body>
    <header>
      <h1>Burnside Sports Awards</h1>
      <!-- Navigation bar -->
    </header>

    <main>
      <section id="display-photos">
        # this section would have a few photos displaying students participating in sports
        - Could have links corresponding to the pages that the photos are from, or even the profiles of the athletes featured in them.
      </section>

      <section id="display-article">
        <h3>example article</h3>
        # this part would have an article featured on the homepage
        - Would link to the full article
      </section>

      <section id="registrations">
        <h3>Registrations open!</h3> # this would be linked to the registrations page
        # this is where some information about upcoming registrations could go. These could link to pages with more information about registrations.
        - Link to more details about the registration
      </section>
    </main>

    <footer>
      <p>© 2025 Lizzie Howe</p>
    </footer>
  </body>
</html>
```

Info:

This is a basic outline of the concept for the homepage. It shows where content will go on the website, and what is important to be featured as the first thing people see.

Home Athlete Award Article
Burnside Sports History

Award for sportsman

Award for Service

Award for Athletics

(c) 2025

Home Athletes Award Article
Athletes

All athletes

Athlete 1 Name — Award for badminton sport

Athlete 2 Name — Award for archery Archer

Athlete 3 Name — Service to sport Basketball

(c) 2025

Home Athletes Award Article
All Athletes

ID	Athlete name	Form class
1	John Doe	Form 10
2	Jane Smith	Form 12
3	Michael Johnson	Form 11
4	Emily Davis	Form 9
5	David Wilson	Form 8
6	Sarah Lee	Form 10
7	Matthew Brown	Form 11
8	Karen Green	Form 12
9	James Wilson	Form 10

(c) 2025

Home Athlete Award Article
Articles

Sportsman of the Year

Athlete name

This person won the award for whatever this is...

Best Archer

Archery Athlete

The best archer of this year 2024 was...

Players Player

Team Captain

The name is... um um um um ...

Website layout and design (including fonts and colours):

Colours:

- I will be using the Burnside high school colour palette. This provides continuity with the school website and other school related websites. It signifies the school's pride in its achievements and history.

Colour

Our deep green colour is rooted in the history of our school and a combination of green and white have been used as our school colours for many years.

Pounamu is our primary colour and should remain prominent across all communications.

Ensure white continues to have a strong presence alongside our pounamu green.

Glacier green is used to inject energy and create contrast, giving our brand a fresh and vibrant feel.

Bush green is used with our pounamu green to give subtle texture or contrast, adding interest.

Our deep sea blue is seen mainly in our uniforms but may be used sparingly across other materials.

Gold may be used very sparingly for special embellishments.

See colour codes on the following page to ensure our colours are always presented consistently.

Pounamu

White

Glacier Green

Bush Green

Deep Sea Blue

Gold

See colour codes on the following page to ensure our colours are always presented consistently.

Colour

Use these colour codes to ensure our colours are always presented consistently. Always use the correct colour codes for your intended application.

CMYK – Print

Use CMYK for printing e.g. posters, flyers, stationery, booklets etc

Using CMYK on screens can result in inaccurate colours.

RGB – Digital

Use RGB / HEX for digital only. e.g. social media posts, website, screen graphics etc

Printing RGB can result in inaccurate colours.

Pantone – Special Print

Pantone is a standardized system for colour to achieve superior colour accuracy.

Pantone or PMS is reserved for special printing and is only available via commercial printers.

Consult Downing or your commercial printer to determine if Pantone is appropriate for your print project.

Pounamu

White

Glacier Green

Bush Green

Deep Sea Blue

Gold

PANTONE 3305 C
CMYK 100, 45, 80, 50
RGB 0, 78, 66
HEX #004E42

White
CMYK 0, 0, 0, 0
RGB 255, 255, 255
HEX #FFFFFF

PANTONE 3268 C
CMYK 80, 15, 60, 0
RGB 0, 171, 142
HEX #00AB8E

PANTONE 560 C
CMYK 100, 55, 80, 75
RGB 0, 58, 44
HEX #003A2C

PANTONE 302 C
CMYK 75, 15, 5, 80
RGB 0, 56, 78
HEX #00384E

PANTONE 871 C Gold
Gold is only to be used as a foil or Pantone ink. Using CMYK will produce unacceptable results.

Fonts:

- The font I will be using is Public Sans. This is because it is the official font used by Burnside high school, and it fits with the rest of the branding (colour scheme, logos,

etc_). This is important because it keeps my website consistent with other schoolsites, and ensures it has a sleek and professional look.

The image shows a brand guidelines page with a dark green header and footer. The header contains the text 'Brand Guidelines', 'Burnside High School Te Kura o Waimairi-iri', and '16'. The footer contains the text 'Public Sans Light.', 'Public Sans Regular.', 'Public Sans Medium.', 'Public Sans Semibold.', 'Public Sans Bold.', and 'Public Sans ExtraBold.'.

Typography

Consistent typography is a strong, unifying element across brand applications. Public Sans is our brand font and should be used across all external-facing brand communications including print and digital. Public Sans has a range of weights and styles to choose from and extensive language support. To ensure maximum accessibility this is a google font available for free download.

To download Public Sans go to:
fonts.google.com/specimen/Public+Sans

Our brand font is Public Sans.

Use Public Sans on all external-facing brand communications such as stationery, prospectus, or the website.

Public Sans Light.
Public Sans Regular.
Public Sans Medium.
Public Sans Semibold.
Public Sans Bold.
Public Sans ExtraBold.

Our default font is Calibri.

Use Calibri for school communications via email or letter, internal documents, or cases where the brand font is unavailable, or impractical.

Calibri Regular.
Calibri Bold.

Typography and paragraph styling:

- My website will follow burnside's guidelines for typography and paragraph styling. The chosen colour scheme, font, and other styling work well together, and by following these guidelines consistently, my website will look professional and aesthetically pleasing.

Typography Styling

To ensure your message is clear, it's important to create a clear hierarchy with your typography.

Use size, weight and colour to show hierarchy. The example on this page can serve as a guide to get you started, but each application should be considered individually.

Headings

Generally bold in a contrasting colour

Introductory paragraph, pull quote or call out

Generally light or regular in a contrasting colour

Subheadings

Generally semibold or medium in a contrasting colour

Body

Generally light in black or white

Belong at Burnside

Our welcoming and inclusive school community is a place where everyone can belong. Our unique "Divisional Structure" and our extensive pastoral network, ensure that Burnside High School provides a caring and nurturing environment for our students.

Personal excellence and care for others

We celebrate diversity. It is our strength and a source of pride. It means that we respect, understand and celebrate the things that make each of us unique. By nurturing wellbeing and relationships, we create real connections with each other - by leaning into these we are supported to achieve personal excellence.

Representation of Burnside High School:

Since my website is following the styling of the Burnside brand, it is important that the content of the website represents the values of our school. If content presented on the website goes against the values of bringing respect, having pride, and seeking excellence, then it should be removed.

BHS values

The BHS values are:

- Bring respect
- Have pride
- Seek excellence

They each follow a consistent structure of verb + noun which together create the acronym BHS.

The values are always written in sentence case, with the verb capitalised and noun in lowercase.

BHS values is always written with the acronym capitalised and values in lowercase.

Each value is represented by an icon. The icon designs continue the visual language of pattern which has been created for the Burnside brand.

Vision Statement

Our vision statement describes our school culture and underpins our values.

Burnside High School Te Kura o Waimairi-iri

BHS values

Bring respect Manaakitanga



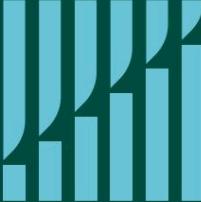
Bring respect for everyone and the environment

Have pride Mana



Have pride in yourself, our school and community

Seek excellence Rangatiratanga



Seek excellence in learning and in life

Vision statement

Personal excellence and care for others

Stakeholders:

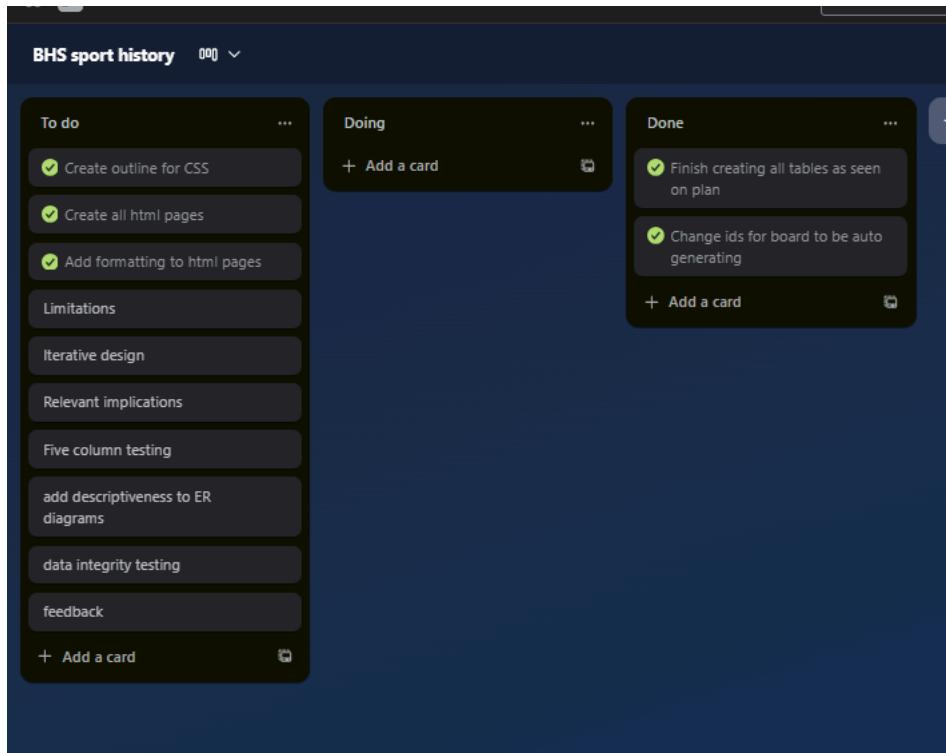
Livvy Ionita - Livvy is part of my target audience. She is not a programming student, so she does not have a technical background. She plays sports at Burnside so she knows what information to look at and knows what kind of information someone with sports knowledge is looking for from my website.

My Dad - Is a regular user of websites and is familiar with design conventions. He is also another demographic within my target audience as he is a parent of a student at Burnside (me), and parents of students may be looking for information about how many awards their child has won.

Emma Cox - Emma is in the same class as me and is also developing a website and database. She has technical knowledge of how my website should work. She is also part of my target audience as she is captain of the Hockey team at Burnside, and knows people who have won awards.

Second iteration

Trello board:



Homepage

This is where a link to an article or something else interesting can go. It is visible on the homepage of the website.

Ari Leckie - Sportsman of the Year

This is where a link to an article or something else interesting can go. It is visible on the homepage of the website.

Article 3

This is where a link to an article or something else interesting can go. It is visible on the homepage of the website.

This iteration is a very messy mashup of what is planned to go onto my website. Here we see the homepage with some articles.

Stakeholder feedback

Person	Feedback	My response
Emma	I really like the photos for each article, but maybe you should make the words into a link so that I can see the whole article.	I think that is a great idea, and is something that I was already planning on doing. Each article on the homepage will have a full page where the full article can be viewed.
Livvy	The photos are cute and I like the green at the top. The placeholder thingy is really ugly though.	I am glad that my colour palette is aesthetically pleasing. I am not going to be leaving any of the placeholder images in my website, so that is not something to worry about.

Athletes page

127.0.0.1:5000/athletes

Home Athletes Awards

Athletes

[All athletes list](#)

Featured athletes

(c)2025

This page contains a link to where the list of all athletes is displayed. There is space at the bottom for featured athletes to be displayed.

All_athletes page

The screenshot shows a web browser window with the URL `127.0.0.1:5000/all_athletes`. The page title is "All athletes list". Below the title, there is a section titled "ALL ATHLETES" in green capital letters. A table header is displayed with three columns: "ID", "Name", and "placeholder". At the bottom left of the page, there is a copyright notice "(c)2025".

Here is the page where the list of all athletes is to be displayed. Right now only the table headers are visible, but the athletes will be added in. This is where athletes in my database can be searched for (search bar not yet made).

Awards page

The screenshot shows a web browser window with the URL `127.0.0.1:5000/award`. The page title is "Awards". On the left side, there is a dropdown menu labeled "Sports". The main content area displays a grid of eight award cards. Each card has a placeholder image with the word "PLACEHOLDER" and a text label below it: "Text 2", "Text 3", "Text 4", "Text 5", "Text 6", "Text 7", and "Text 8".

The awards page is where every award will be displayed. The grid layout has been made but the content has not yet been filled in. On the left side of the page we can see a dropdown button that says "Sports". This dropdown will contain all of the sports so that the awards can be searched by sport.

Person	Feedback	My response
Emma	I like the layout. I think it is quite logical. All of the grey looks bad though.	The grey is definitely something that I can change, it's only really there right now to aid in the designing of the layout so that I can see my boxes.
Livvy	I see the vision. The sports button doesn't look like a button.	I am yet to add CSS to my website (aside from the nav bar), so when I do that I will keep in mind that changes need to be made to that particular button.

Third iteration

Homepage:

Burnside Sport History

Featured articles

- Ari Leckie – Sportsman of the Year 2023**

Ari was the Captain of the Burnside High Senior Boys Volleyball team this year, leading his team to winning the Canterbury Secondary Schools' Division 1 Boys title, and coming a best-ever 6th place in Division 1 at the NZ Secondary Schools' Championships in Palmerston North in Term 1. He was also a member of the Canterbury team who placed 1st at the Inter Provincial Championships and is in the NZ Junior Mens Training Squad, for which the final team is still to be named. Ari also played Beach Volleyball in Term 1, partnering with Jova Waqa to place 3rd in the Senior Boys division at the NZ Secondary Schools' Championships in Mount Maunganui.

- Penelope Yang – Sportswoman of the Year 2023**

Penny's sport is Powerlifting and she has had an incredible year of results. She is currently the top Powerlifter in New Zealand in her weight and age class. Penny currently holds the New Zealand squat record for U72kg lifters of 130kg which she broke earlier this year at the National Championships. She has been selected to attend the World Powerlifting Championships in Rome in November and it's her last opportunity to break the World Youth record squat, which has been held for over 8 years. Penny has been invaluable with her help in coaching and managing the new members to the Powerlifting group at school this year, either training in the school weights room, and at competitions.

- Max Wallace – Student Contribution to Sport 2023**

Max has been the Burnside High School nominated Hockey umpire this year and umpired both the Boys' and Girls' teams in their respective weekly competition games. With having the added workload of being Head Prefect this year, as well as his Rowing commitments in Term 1, Max has been very reliable in umpiring games each week, as well as going to the Johnson Cup tournament in Nelson with the Boys 1st XI team as their nominated umpire for that week. His skill as an umpire was recognised when he was named to umpire the final at the Johnson Cup tournament, as well as umpiring the finals of the Saturday club competitions in both Mens' and Womens' and umpiring the final of the top grade in the Secondary Schools' competition. He also coaches younger umpires to improve their skills.

Stakeholder feedback

Person	Feedback	My response
Livvy	You should add photos for each article	I have images already in my database, I just haven't displayed them on the homepage yet, but that is one of my next steps.
Livvy	Instead of having the full article on the home page you should put a link to the article	This feedback confirms that the plan I had for the homepage is good. In previous iterations the homepage did originally have links to each article, but due to some issues I rewrote the

		full homepage and have not yet added back the links to the articles.
Emma	There should be more information on the homepage, not just articles.	I agree with Emma's feedback. I plan to add featured athletes to this page. This has made me consider adding a section featuring awards at Burnside that leads to the awards page.

Athletes page:

The screenshot shows a web browser window with the following details:

- Address bar: 127.0.0.1:5000/athletes
- Page title: Athletes
- Page content:
 - [All athletes list](#)
 - Featured athletes**
 - (c)2025

Stakeholder feedback

Person	Feedback	My response
Livvy	It's really plain	I think that a way to combat the simplicity of this page would be to include the athletes list directly instead of a link. Also the page will in future have featured athletes on it which will include more interesting content.

All athletes page:

ID	Name	placeholder
1	Trelise Forster	
2	Ari Keshariya	
3	Ollie Fifield	
4	Felix Nielsen	
5	Jordan Sim	
6	Alex Guillemot	
7	Michaela Yoon	
8	Sakura Saito	
9	Eliot Ramousse	
10	Zeyad Elmallah	

Stakeholder feedback

Person	Feedback	My response
Livvy	The navigation bar is nice but it's weird how I have to go from athletes then to the list of all the athletes.	I agree that this is odd, and I am considering either adding a dropdown menu for the athletes tab to go to the all_athletes page, or just having all the athletes displayed on the athletes page (this would mean I would need to have a very good search function).
Emma	Needs a way to search for an athlete	Adding a search function is part of my design that has not been completed yet, but will be part of the final iteration. It is included in the revised design for this page.
Livvy	It is quite ugly	I agree that it looks terrible. I have drawn up a new design for this page that is far more aesthetically pleasing and a more conventional design.

Trelise Forster
Athletics
► full bio

Service to sport
Girls intermediate athletic champ 2022
Girls intermediate athletic champ 2023
And two more...

Ari Keshariya
Athletics
► full bio

Outstanding achievement in sport
Boys intermediate athletic champ...

Ollie Fifield
cricket
► full bio

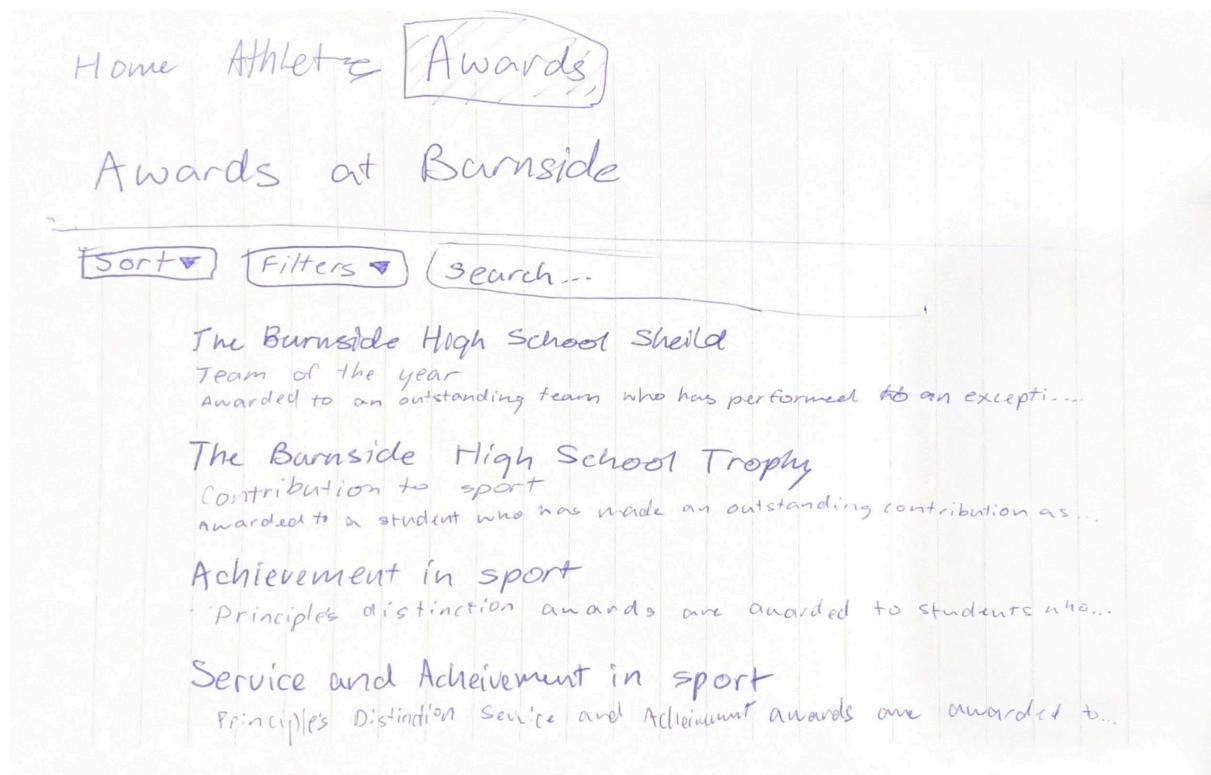
Cricket bat for outstanding ...



Awards page:

Stakeholder feedback:

I did not get feedback on this page as I will not be continuing with the development of this design. Here is my new plan for how it will look:



Changes from previous sketch:

- Search bar has been added
- Images for awards has been removed
- In nav bar the articles have been removed
- Layout has been changed from grid to list

Page for each award:

The Burnside High School Principal's Cup

Outstanding achievement in sport

Awarded to an individual or team who has accomplished the most outstanding achievement during the timeframe.

(c)2025

Stakeholder feedback

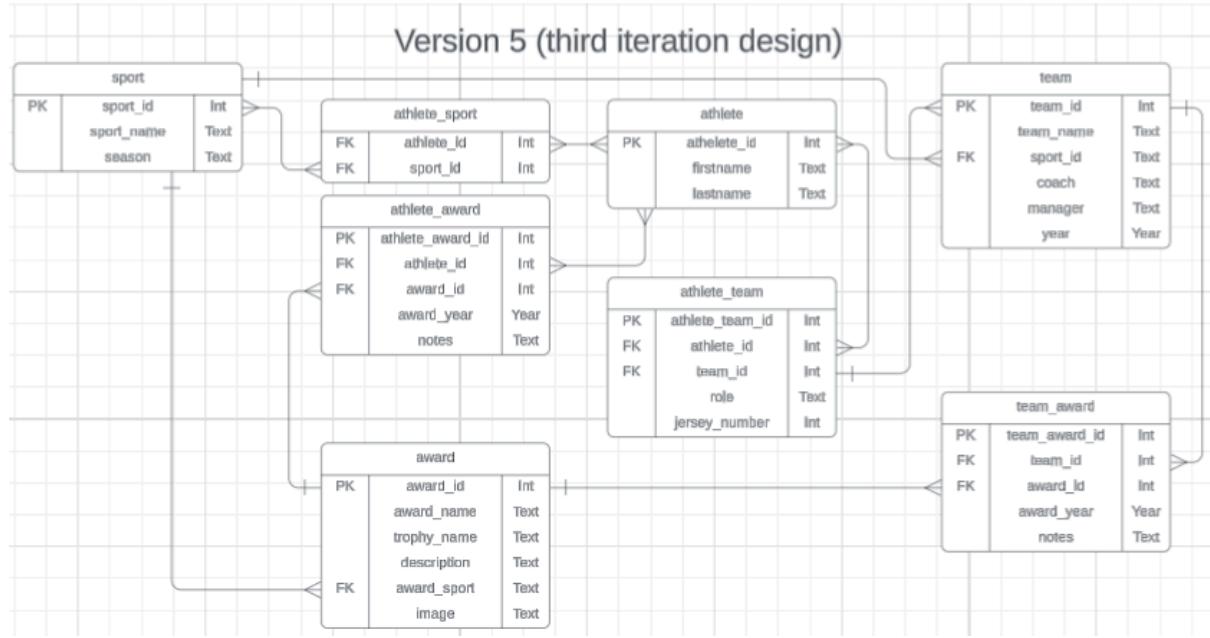
Person	Feedback	My response
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My Dad	He noted that the only way to go back to the previous page was to click the actual go back button in the browser. He suggested a button within the website itself.	I thought that this was a brilliant idea and a large oversight by me. It fits into the conventions of most modern websites and makes the user navigation experience much better. I will be adding this feature to my website.
Livvy	The font is "kinda ugly" and "could definitely be prettier".	As no CSS has been added to the content within this page, the font is the default serif font. As stated on my website design, the font that will be used is Public Sans, as it is part of the Burnside High School branding.
Emma	"The design is not very modern", Emma says that the layout and aesthetics should be more modern and complex.	I agree with Emma that the design of this page is very very basic and needs improvement. I think that the layout should be improved and also I acknowledge that I plan to add more information about the athletes that have won the award on this page.

Overall stakeholder feedback on third iteration:

Person	Feedback	My response
Livvy	The layout isn't very nice and the colours should be changed	This is in keeping with the stage of my website, as I have not completed the CSS. I plan for this to be the fourth iteration. The colour scheme has not been thoroughly implemented so I am hoping Livvy's opinion of the colours will change once it's complete.
Emma	There are too many parts that say none or have no information.	In the next iteration I will add more data to fill in the gaps in information.
Emma	The copyright and footer isn't properly at the bottom of the page	This is something that I forgot about while working on other parts of the website.

Changes to database:



Gender - athlete table	I chose to remove the gender row of my table because I thought it was unnecessary information in regards to sports awards and was also not readily available.
Description - award table	I added the description row into the award table because I found that the official descriptions for the awards were available and it made sense to include as much information about each award as possible.
Image - award table	I added the row “image” to the award table because in order to display various articles without hardcoding the image into the page, the image urls needed to be stored in my database.

Fourth iteration (final)

Although in the third iteration I planned to develop the following design, I have decided that despite my best efforts it is far more complex than I realised. To have the athletes' sport and awards displayed on a page with a for loop would use incredibly complex join statements, and that is not something that I am willing to put my time towards at this stage of the project.

Trelise Forster
Athletics
▷ full bio

Service to sport
Girls intermediate athletic champ 2022
Girls intermediate athletic champ 2023
And two more...

Ari Keshariya
Athletics
▷ full bio

Outstanding achievement in sport
Boys intermediate athletic champ...

Ollie Fifield
cricket
▷ full bio

Cricket bat for outstanding ...



This could be a next step for potential future development, but for my design I went with something minimal to match the design aesthetic. This is what I ended up on:

The screenshot shows a web browser window with the URL `127.0.0.1:5000/athletes`. The page has a header with links for Home, Athletes (which is highlighted in green), Awards, and Admin login. Below the header is a section titled "Athletes" with a search bar containing "Search athletes..." and a "Search" button. The main content area displays a table with three columns of athlete names. The first column contains Trelise Forster, Felix Nielsen, Michaela Yoon, Zeyad Elmallah, Miriam Lemon, Alfie Bell, Thomas O'Brien, Jack Cusack, George Wilkins, Ava Renner, Hamish Inwood, Gina Peng, Katie Horton, and Jessica Bennetts. The second column contains Ari Keshariya, Jordan Sim, Sakura Saito, Nikkie Wu, Hugo Feng, Coco Cruickshank, Hayden Leung, Fin Matheson, Thomas Carey, Kate Dawson, Derrick Wong, Zavier Tuhuru, Beck Faloon-Cavander, Briar Chamberlain, and others. The third column contains Ollie Fifield, Alex Guillemot, Eliot Ramousse, Taylor Smithson, Junie Chang, Etaash Khokhar, Aiden Chai, Corban Blackwell, William Li Chen, Alex Gibson, Ben Lough, Max Wallace, Keisha Wong, and Manisha Seebek. At the bottom left of the table, it says "(c)Lizzie Howe 2025".

Trelise Forster	Ari Keshariya	Ollie Fifield
Felix Nielsen	Jordan Sim	Alex Guillemot
Michaela Yoon	Sakura Saito	Eliot Ramousse
Zeyad Elmallah	Nikkie Wu	Taylor Smithson
Miriam Lemon	Hugo Feng	Junie Chang
Alfie Bell	Coco Cruickshank	Etaash Khokhar
Thomas O'Brien	Hayden Leung	Aiden Chai
Jack Cusack	Fin Matheson	Corban Blackwell
George Wilkins	Thomas Carey	William Li Chen
Ava Renner	Kate Dawson	Alex Gibson
Hamish Inwood	Derrick Wong	Ben Lough
Gina Peng	Zavier Tuhuru	Max Wallace
Katie Horton	Beck Faloon-Cavander	Keisha Wong
Jessica Bennetts	Briar Chamberlain	Manisha Seebek

The athletes table has three columns, which does not follow the original design sketch. This is because it is more compact and efficient to display a large number of athletes.

Homepage:

The screenshot shows a web browser window with the URL 127.0.0.1:5000. The page title is "Burnside Sport History". The navigation bar includes links for Home, Athletes, Awards, and Admin login. Below the navigation is a section titled "Featured articles" with three items:

- Ari Leckie – Sportsman of the Year 2023**
Ari was the Captain of the Burnside High Senior Boys Volleyball team this year, leading his team to winning the Canterbury Secondary Schools' Division I Boys title, and coming a best-ever 6th place in Division I at the NZ Secondary ...
[Read more ▾](#)
- Penelope Yang – Sportswoman of the Year 2023**
Penny's sport is Powerlifting and she has had an incredible year of results. She is currently the top Powerlifter in New Zealand in her weight and age class. Penny currently holds the New Zealand squat record for U72kg lifters of ...
[Read more ▾](#)
- Max Wallace – Student Contribution to Sport 2023**
Max has been the Burnside High School nominated Hockey umpire this year and umpired both the Boys' and Girls' teams in their respective weekly competition games. With having the added workload of being Head Prefect this year, as well as ...
[Read more ▾](#)

At the bottom left, there is a small note: "(c)Lizzie Howe 2025".

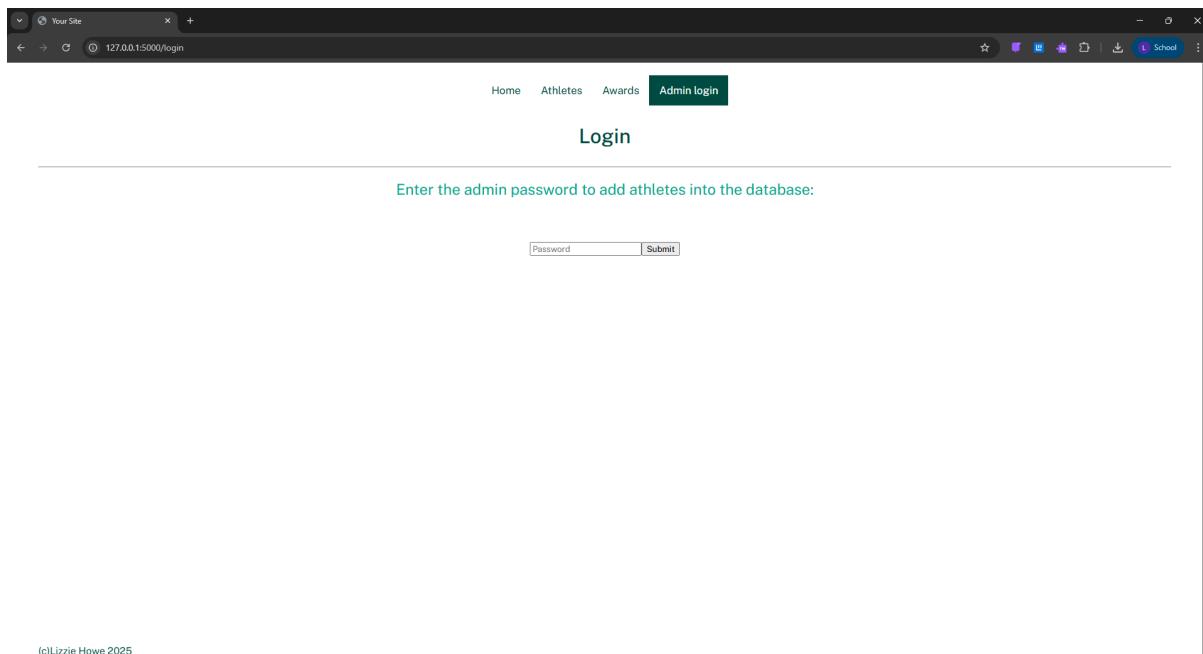
This page of my website has links to the related article on the image and text.

Awards:

The screenshot shows a web browser window with the URL 127.0.0.1:5000/award. The page title is "Awards". The navigation bar includes links for Home, Athletes, Awards, and Admin login. Below the navigation is a search bar with the placeholder "Search awards..." and a "Search" button. The main content area is divided into several sections:

- Service to Sport**
- Service and Achievement in Sport**
Principal's Distinction Service and Achievement Awards are awarded to students who are awarded both a Service and an Achievement award in the same sport.
- Achievement in Sport**
Principal's Distinction Achievement Awards are awarded to students who have been selected into 'A' representative teams.
- New Zealand roll of honour**
NZ Roll of Honour Awards are awarded to students who are selected for NZ teams.
- NZ secondary school champions**
(c)Lizzie Howe 2025
NZSS Title Awards are awarded to students who are placed first in a NZ Secondary School tournament or competition during the year.

This page displays the award name, along with the trophy name and the award description when there is one. The search bar enables the user to search for a specific award.



(c)Lizzie Howe 2025

When adding the admin password I had significant issues with connecting my ".env". After a few versions of the login system I settled on a simple design that does the desired function as required.

finished login and tested it
lizzie22010 committed 1 minute ago
fixed login system
lizzie22010 committed 17 minutes ago
commit before deleting .env to try other hashing method.
lizzie22010 committed 2 hours ago
issue with .env and password, reloading
lizzie22010 committed 10 hours ago
moved logout button to center of page
lizzie22010 committed 18 hours ago
added boys volleyball img and fixed awards page description class
lizzie22010 committed 18 hours ago
deleted bulk_add_athlete
lizzie22010 committed 19 hours ago
deleted old login system
lizzie22010 committed 19 hours ago
completed login system
lizzie22010 committed 19 hours ago

Here are my commits, each attempting to successfully import dotenv. After a while, I gave up and tried to use git bash to securely store my key and password.

NEVERMIND I actually just tried again and fixed it. I have no idea what the problem was but I guess it's gone now and I am NOT complaining.

The screenshot shows a web application window titled "Your Site" with the URL "127.0.0.1:5000/add_athlete". The page has a header with "Home", "Athletes", "Awards", and "Admin login" buttons. Below the header is the title "Add New Athlete". The form consists of several input fields: "First Name:" (text input), "Last Name:" (text input), "Sport:" (dropdown menu set to "Archery"), "Award:" (dropdown menu set to "Achievement in Sport"), "Award Year:" (text input), and an "Add Athlete" button. At the bottom of the form is a "Logout" link.

(c)Lizzie Howe 2025

I decided that although the centered alignment of the form may look a bit unusual compared to other websites with similar forms, for consistency's sake I should keep it in the middle. This is because the same center alignment is in my athletes table, and since it was similar (vertical layout), I thought it would be best to keep it continuous.

Person	Feedback	My response
Emma	The admin login makes sense, and the website is easy to navigate.	I am glad that my navigation bar is useful and that the login process is smooth and not confusing. As part of this I ensured that a message was shown to the user if they entered the wrong password.
Livvy	The login button and add athlete button is a bit ugly.	Styling for the button elements could definitely be improved, but at this stage I am happy with the aesthetic and how functional everything is, so at this stage in my project I will not be changing this.
My Dad	The login is straightforward and simple. It is easy to use.	I am glad that the user experience for the login is good.

(c)Lizzie Howe 2025

The athletes profile displays the athletes sport and then all of the awards that they have won.

(c)Lizzie Howe 2025

Person	Feedback	My response
My Dad	The design is clean and has “no fluff”. It is very minimal, tidy, and aesthetically pleasing. The colours are sleek and match well with the content.	I am glad that the vision that I had for the design is appealing to the user.

How did my website meet original requirements?

Requirement	My website
My website showcases the achievements of Burnside High School athletes	My website shows the athletes and the award that each athlete has won, along with some articles that highlight high achievement within sports. I believe that this adequately showcases and celebrates the achievements of athletes at burnside, as it gives a location for information to be viewed and easily searched through.
My website will have blog posts about sports achievements/accomplishments, and show articles about athletes.	My website currently has 4 articles which while being few does meet this requirement. It has room for more articles in the future. The article page is laid out to showcase the achievement of the athlete(s).
My website will have a way for new athletes to be input into the website that is secure and password protected.	My website has a page called add_athlete where the user can add in a new athlete. This is protected by the admin password through the login page. This means that not just anyone can add information into the database, and the proper authorisation is required.

Testing

Second iteration

Database Testing Table: SQL Statements/Queries

Purpose	Query	Pass/Fail
Selecting all articles and ordering them by article_id ascending	<pre>SELECT * FROM article ORDER BY article_id ASC</pre>	Pass
Selecting all articles where the article ID is corresponding to the request.	<pre>SELECT * FROM article WHERE article_id = ?</pre>	Pass

Program Testing Table: Routes/Functions

What are you testing	How are you testing it	Expected Result	Pass/Fail
<pre>def home():</pre>	Testing id = http://127.0.0.1:5000/	Showing "home" page	Pass
<pre>@app.route("/article/<int:article_id>")</int:article_id></pre>	http://127.0.0.1:5000/article/2	Showing "article_page" page for Penelope Yang (who has athlete_id of 2)	Pass
<pre>def get_all_articles():</pre>	Querying the database directly with: <pre>SELECT * FROM article ORDER BY article_id ASC</pre>	Return the article_id, athlete_id, title, content, image_url, and published_date for all the articles in the article table	Pass
<pre>def select_random_athlete():</pre>	<pre>SELECT athlete.athlete_id, athlete.firstname athlete.lastname, sport.sport_name FROM athlete JOIN athlete_sport ON athlete.athlete_id = athlete_sport.athlete_id JOIN sport ON athlete_sport.sport_id = sport.sport_id ORDER BY RANDOM() LIMIT 4</pre>	Expect the athlete_id, firstname, lastname, and sportname for four random athletes	Fail
<pre>def select_random_athlete():</pre>	<pre>SELECT athlete.athlete_id, athlete.firstname, athlete.lastname, sport.sport_name FROM athlete JOIN</pre>	Expect the athlete_id, firstname, lastname, and sportname for four random athletes	Pass

	<pre> athlete_sport ON athlete.athlete_id = athlete_sport.athlete_id JOIN sport ON athlete_sport.sport_id = sport.sport_id ORDER BY RANDOM() LIMIT 4 </pre>		
<pre> def fetch_all_athletes(): </pre>	<pre> SELECT * FROM athlete </pre>	I expect athlete_id, firstname, lastname	Pass
<pre> @app.route('/athletes') </pre>	Testing id = http://127.0.0.1:5000/athletes	Showing “athletes” page	Pass

Login page testing:

I tested the login page by entering the correct password, incorrect password, and by leaving the field blank. When the wrong password was entered, a message telling the user that it was incorrect came up. When the correct password is entered, the user is redirected to the Add_athlete page where they can then add an athlete to the database.

Third iteration

Note - For queries containing “?”, I replaced “?” with “1”.

Database Testing Table: SQL Statements/Queries

Query	Pass/Fail
<pre> SELECT athlete.athlete_id, athlete.firstname, athlete.lastname, sport.sport_name FROM athlete JOIN athlete_sport ON athlete.athlete_id = athlete_sport.athlete_id JOIN sport ON athlete_sport.sport_id = sport.sport_id ORDER BY RANDOM() LIMIT 4 </pre>	Pass
<pre> SELECT athlete.athlete_id, sport.sport_name FROM athlete </pre>	Pass

<pre> JOIN athlete_sport ON athlete.athlete_id = athlete_sport.athlete_id JOIN sport ON athlete_sport.sport_id = sport.sport_id </pre>	
<pre> SELECT athlete.athlete_id, award.award_name FROM athlete JOIN athlete_award ON athlete.athlete_id = athlete_award.athlete_id JOIN award ON athlete_award.award_id = award.award_id </pre>	Pass
<pre> SELECT athlete_id, firstname, lastname FROM athlete WHERE athlete LIKE ? OR lastname LIKE ? </pre>	Fail
<pre> SELECT athlete_id, firstname, lastname FROM athlete WHERE firstname LIKE ? OR lastname LIKE ? </pre>	Pass
<pre> SELECT athlete_id, firstname, lastname FROM athlete </pre>	Pass

Website Testing Table- HCI, Usability tests, Readability, Compatibility, Functionality, Aesthetics

Test Summary	Observations	Actions
Aesthetics and minimalist design.	My website in its current iteration has been described as ugly and not aesthetically pleasing. This is because most of the css is incomplete, as I prioritised html and database construction initially.	CSS will be improved/added in order to follow the website design as stated in my plan.
Consistency and standards.	Having the same fonts across my whole website.	All fonts must be changed to "Public Sans"
Consistency and standards.	Having the same transition time	0.3 seconds for all transitions.

	for all colour changing text and links.	
Help users recognize, diagnose and recover from errors.	Currently, my website crashes if the user attempts to access a player profile that doesn't have a sport into the database.	Messages should be provided in order to prevent this error.

Relevant implications

- Usability
- Aesthetics
- Privacy
- Accessibility
- Functionality

Database

Privacy	Since my database contains information about real people, it is important that I only use information already public, and store only the information necessary for my website.
Ethical	My website does not intend to cause harm through the information that it presents. The purpose of my website is to highlight and celebrate the achievements of students at Burnside, so for that reason I believe my website is ethical.

Website

End User	To appeal to my target demographic, which is students who have won sports awards at Burnside and those who know students who have won awards at Burnside, I made the decision to include search functions to search through the athletes in my database. This website can show the user information about the person they are seeking (given they are in my database). This means that it meets the needs of my targeted end user.
Aesthetics	I have tried to achieve a sleek, minimalist design that follows the Burnside High School branding. From my feedback I can say that it does appeal to my audience, and improves the user experience through aiding in clarity and logical design.
Usability	My website follows the design convention of having the navigation bar at the top of the page. This is consistent across all pages (consistency being one of Nielsen's Heuristics), which improves the user experience by improving the logical navigation of my site.

Limitations

1. In iteration 2 - Links on the list of all athletes does not follow **design convention**
When hovering over a link on the all athletes list, instead of both first and last name changing colour to indicate that this is a selectable link, only either the first or last name changes colour. This is because in my database, the first and last names are stored separately. This is so that the first name can be used in the sentences. The reason that it has not been changed is because it works perfectly fine and isn't necessary to be fixed.

Iteration 3 response:

I decided that it was confusing because it could make the user think that they could select the athletes last name to come up with all athletes of that same name, so to alleviate any confusion I did end up joining the first and last name into the same link.

Original code:

```
<a href="player/{{ athlete[0] }}">{{ athlete[1] }}</a>  
<a href="player/{{ athlete[0] }}">{{ athlete[2] }}</a>
```

Revised code :

```
<a href="player/{{ athlete[0] }}">{{ athlete[1] }} {{ athlete[2] }}</a>
```

2. Scalability:

Since on the athlete and article pages all athletes are displayed, the website would slow down when large amounts of data are added. In order to combat this, pages could show only the first 50 or so of the athletes or articles, and have a “show more” button to load more.

3. Data limitations

I did not follow the plan of going back 10 years for data. I instead went back 5 years and got a range of information across those years. My website has the potential to hold information from further into the past, but at this stage the dataset is limited (also by the amount of information available online). This impacts the real life applications of my website, as the information is incomplete.

4. Data input limitations

My website does not have the capacity to add multiple athletes at once, which reduces the efficiency of inputting athletes. In future, this could be added to improve the admin usability.

5. Testing browser

Testing was only carried out in Chrome so other browsers may not be compatible. This means that some users may not be able to access all of the features. In future, testing could be done across multiple browsers.

Stakeholder feedback:

I have spoken to people on my volleyball team about my website, and they have all agreed that statistics and information about sports teams at Burnside is currently almost impossible to access, and they think that past sports achievement should be better honoured and remembered.

For my website to combat this, it must:

- Have information and statistics presented in an understandable manner
- Be idiot proof so that it can function and be used properly
- Make sense navigation wise so that all information can be accessed simply and easily

From these stakeholders, the main requirements for my website that are specific to its purpose are that it **must** be easy to navigate, otherwise it won't achieve its purpose of providing information in an easier way than is currently available. It must also be fully functional and easy to use for **everyone**. This means people with and without technical knowledge should be able to use it easily and navigate intuitively. Navigation and usability are tied strongly, and more so for the purpose of my website since it is targeted towards those interested in sports and may not necessarily be on my website for the straight data. However, I must also keep in consideration that another focus of my website is to have the data about past awards accessible. This may not be something that people access casually (it would be something that they go to my website specifically to find), so I want to make sure that it is easy to access but not the first thing visible since it may feel like a "bombardment" of information.

Key takeaways:

- Clear and simple navigation is essential
- Simplicity is important for the usability of my website

Data integrity testing

Your Site

127.0.0.1:5000

Home Athletes Awards Admin login

Burnside Sport History

Featured articles

 Ari Leckie – Sportsman of the Year 2023
Ari was the Captain of the Burnside High Senior Boys Volleyball team this year, leading his team to winning the Canterbury Secondary Schools' Division 1 Boys title, and coming a best-ever 6th place in Division 1 at the NZ Secondary ...
[Read more >](#)

 Penelope Yang – Sportswoman of the Year 2023
Penny's sport is Powerlifting and she has had an incredible year of results. She is currently the top Powerlifter in New Zealand in her weight and age class. Penny currently holds the New Zealand squat record for U72kg lifters of ...
[Read more >](#)

127.0.0.1:5000/article/1/we 2025

In this screenshot my cursor is over the text “Ari Leckie - Sportsman of the Year 2023” on the homepage. Visible in the bottom right corner is the link route for /article/1. Here is a closer look:



When I click the link, it takes me to the page with the url “<http://127.0.0.1:5000/article/1>”. This is the correct page for the full article.

site x +

127.0.0.1:5000/article/1 ☆

Home Athletes **Awards** Admin login

Ari Leckie – Sportsman of the Year 2023

This corresponds to the information within my database. In the following screenshot the information within the table corresponds to the information displayed on my website.

article_id	athlete_id	title	content	image_url	published_date
1	202	Ari Leckie – Sportsman of the Year 2023	Ari was the Captain of the Burnside ...	/static/images/sportsman_ari_leckie_2023.jpg	2023
2	NULL	Penelope Yang – Sportswoman of the Year 2023	Penny's sport is Powerlifting and she ...	/static/images/...	2023
3	37	Max Wallace – Student Contribution to Sport 2023	Max has been the Burnside High Scho...	/static/images/...	2023
4	NULL	Boys Senior A Volleyball	2022 has been a great turn out for the ...	static\images\Boys_Senior_A_Volleyball_2022.jpeg	November 30, 2022

The information within my database is the same as from my source, which is the burnside yearbooks.

2023 SPORTS AWARDS

Burnside High School — October 13, 2023

Ari Leckie – Sportsman of the Year 2023

Ari was the Captain of the Burnside High Senior Boys Volleyball team this year, leading his team to winning the Canterbury Secondary Schools' Division 1 Boys title, and coming a best-ever 6th place in Division 1 at the NZ Secondary Schools' Championships in Palmerston North in Term 1.

He was also a member of the Canterbury team who placed 1st at the Inter Provincial Championships and is in the NZ Junior Mens Training Squad, for which the final team is still to be named.

Ari also played Beach Volleyball in Term 1, partnering with Jova Waqa to place 3rd in the Senior Boys division at the NZ Secondary Schools' Championships in Mount Maunganui.



Source - <https://hail.to/burnside-high-school/publication/InEryoZ/article/dWw8El>

Service and Achievement in Sport

Description:

Principal's Distinction Service and Achievement Awards are awarded to students who are awarded both a Service and an Achievement award in the same sport.

This screenshot shows the name of the award and its description. We can see that in my database this information corresponds.

award_id	award_name	trophy	description
1	Service to Sport	NULL	NULL
2	Service and Achievement in Sport	NULL	Principal's Distinction Service and Achievement Awards are awarded to students who are awarded both a Service and an Achievement award in the same sport.
3	Achievement in Sport	NULL	Principal's Distinction Achievement Awards...

Reflection

The final outcome successfully fulfilled the original goal of the website. It displays information about athletes that have won awards at Burnside High School, and provides information about the awards and who else has won that same award. This outcome is suitable for my target audiences because of the search functions which allow the user to search for their own name or the names of people they know.

Based on the information available to me, I made changes to the sketch for the design of my website in iteration 2. Based on my tests, I decided that the athletes on the all athletes page don't need to have their sport and awards displayed. This was due to the number of failed tests for my database query. I tested the program by running boundary tests, and checking what would happen if I put a higher or lower number into the url than was in my database. I found these tests to return my error 404 page, which is what I expected.

Through this project, I learned how to use Flask to make pages in my database. I improved my skills in writing html, css, and python functions. From this project I have learned how to use flask to develop a website with content from within a database.