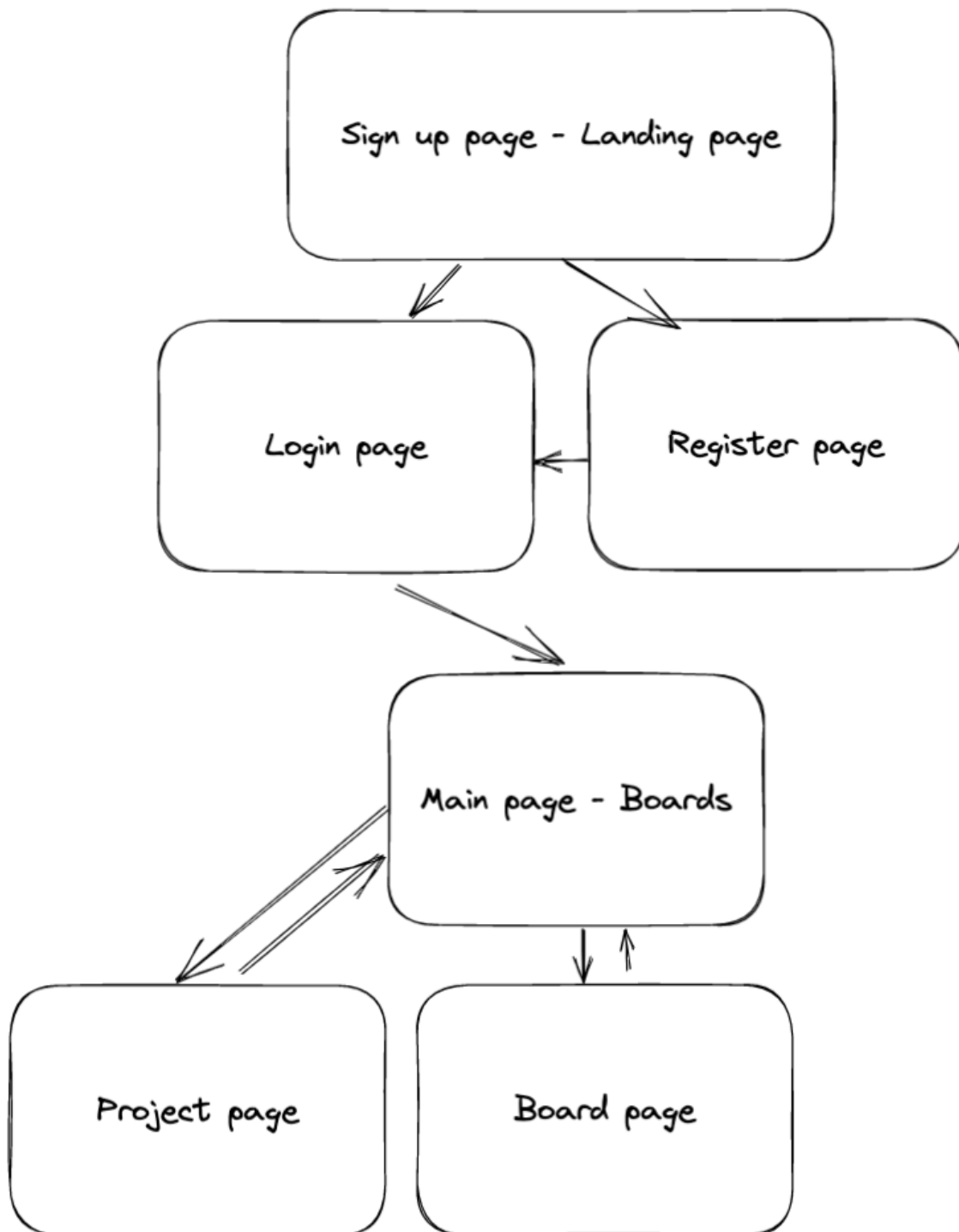# Introduction to testing - Phase 4 - Trello exploratory testing

Summary

Tasked with testing and providing feedback on Trello Clone

- made a simple plan and added to it whilst conducting exploratory notes (see below)
- Created a simple wireframe of the pages discovered
- listed some bugs found and created a bug report for one of them (see bottom)
  - Bug 1 - When you change the size of the browser window, the size of the board shrinks (only horizontally)
- recorded a video of whole process

Wireframe

```
┌─────────────────────────────────┐
│   Sign up page - Landing page   │
└─────────────────────────────────┘
         ↓              ↓
┌──────────────┐   ┌──────────────┐
│  Login page  │ ← │ Register page │
└──────────────┘   └──────────────┘
         ↓
┌─────────────────────────────────┐
│       Main page - Boards        │
└─────────────────────────────────┘
      ↑ ↓              ↓ ↑
┌──────────────┐   ┌──────────────┐
│ Project page │   │  Board page  │
└──────────────┘   └──────────────┘
```

Notes from exploration

Planning for testing of Trello application

1. What is Trello
   - A sort of ticketing JIRA like board application to assign work packages to employees.

2. Key features of Trello
   - Register and Login
   JWT Authentication to connect DRF and React
   Can login with username or email
   - Projects (Teams)
   Create Projects
   Invite members to join projects via one time link
   Change member access level - Admin or Normal
   Admin can edit project details, invite new members, and change other members'
   access levels.
   - Boards
   Create personal boards or project boards
   Recently Viewed Boards
   Starred Boards
   - Create and reorder lists
   Create, reorder, and change list of cards
   Add labels to cards
   Assign members to cards
   Add attachments to cards
   Add comments to cards
   - Search
   Autocomplete (Debounced)
   Unsplash API Integration
   Set environment variable REACT_APP_UNSPLASH_API_ACCESS_KEY with access
   key
   Automatically adapt header and board title styling based on brightness of board
   background
   - Notifications
   When someone assigns you to a card
   When someone comments on a card you're assigned to
   When you're invited to a project
   When someone makes you admin of a project

3. Tests
   - Click all links to check the route to the right place
   - Create account
   - Login with valid details
   - Click through the pages

- Create a project
- Create a board, populate with cards
- Test search bar for specific cards
- Move cards around the priority list, stacks
- Delete cards
- Delete a board
- Delete a project

4. Testing/Observations
  - Sign up page (Trello)
  - Login page (Login | Trello)
  - Register page (Sign up | Trello)
  - It did not require you to upload anything
  - Unclear what it was asking for in the first place
  - Main page (Boards | Trello)
  - Half the buttons don't work yet and no obvious way to log out
  - Bug 1 - When you change the size of the browser
  window the size of the board shrinks (only horizontally)
  - Bug 2 - When you search it doesn't display relevant
  cards from boards
  - Bug 4 - When you favourite a board the recently viewed section is overridden by the
  starred section
  - Project page (Project name | Trello)
  - No way to make a board within a project
  - The admin can remove admin privileges from themselves and get trapped in a
  project
  - Board page (Board name | Trello)
  - Able to replicate the re-ordering bug with lists (Refreshing page resets itself)
  - Bug 3 - When you click on a card to view and edit the popupbox is too large when
  working in a smaller browser window and spills off the edges.
  - Three dots doesn't correspond to list settings and only allows reordering of the list.

Bug report

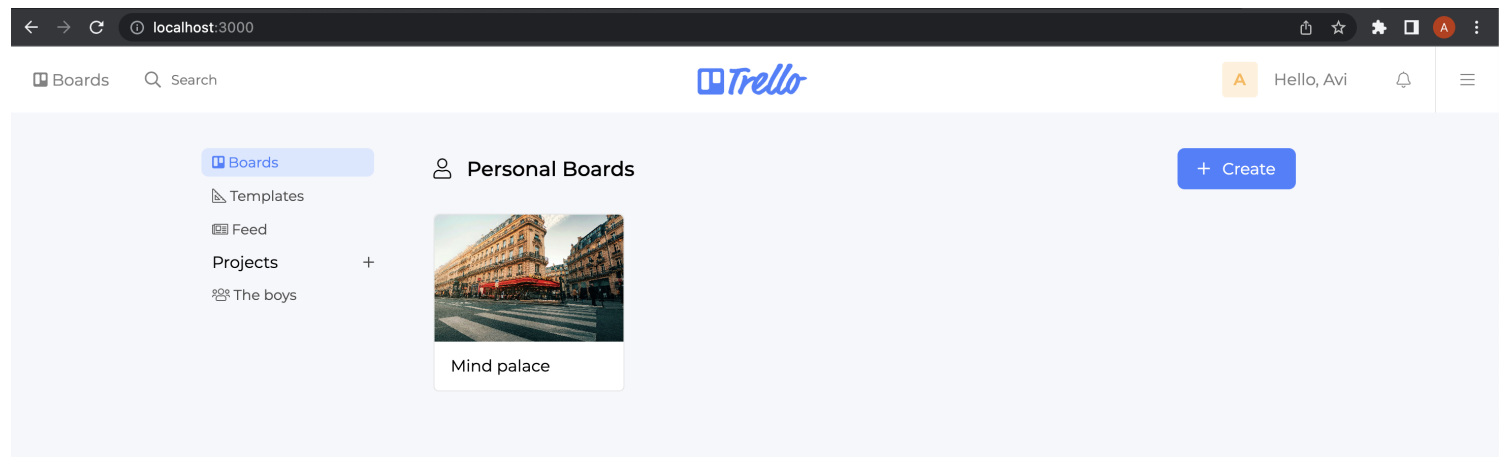# Trello - Visual issue, displaying boards autosizing not working
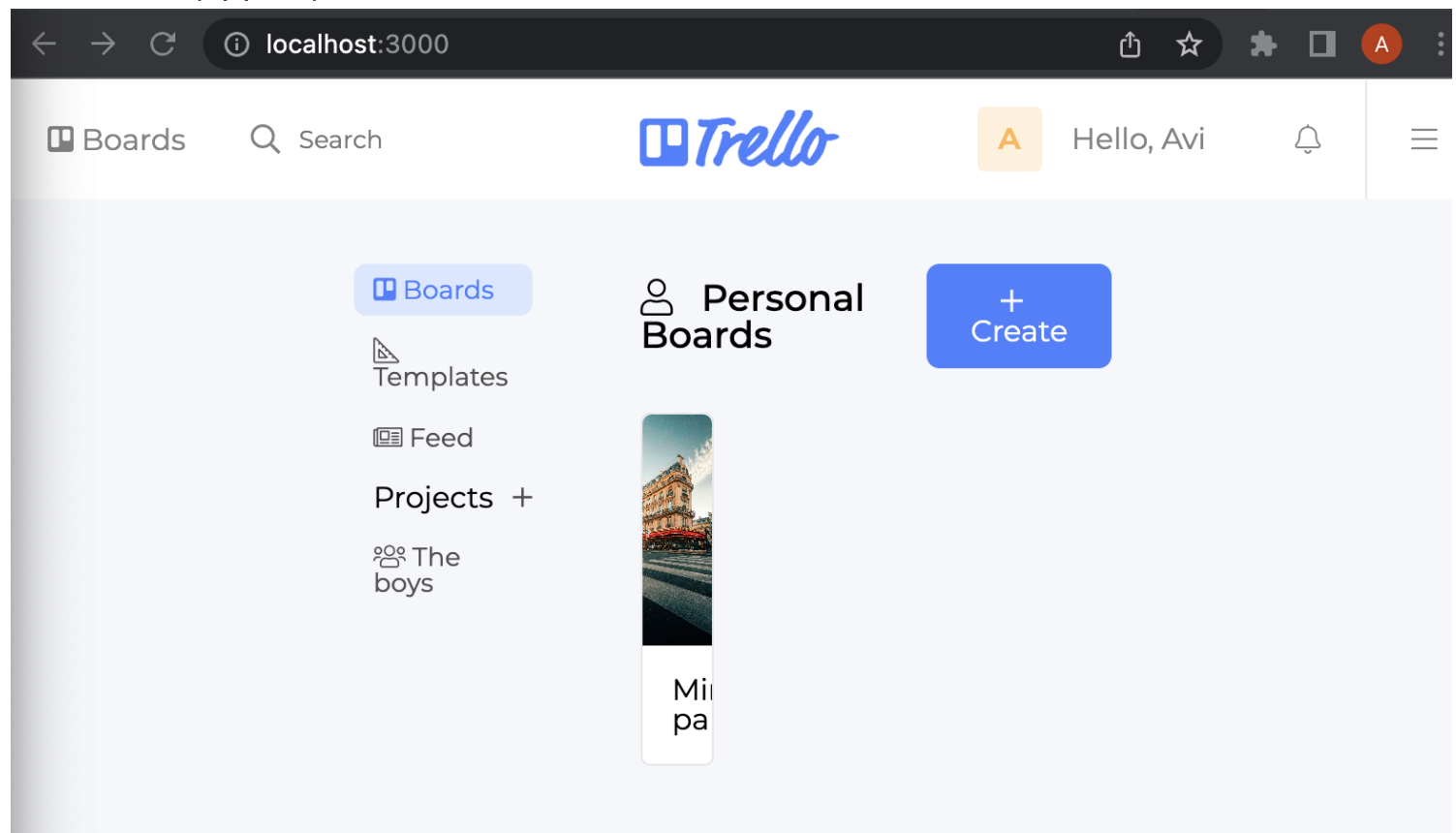
Description

When viewing the 'main page - boards' the thumbnails that display existing boards only shows correctly when the browser is big enough to do so. When you reduce the size of the browser horizontally, it proportionately 'squashes' the thumbnail in a way that makes it hard to view. This does not happen vertically. This behaviour was unexpected, rather that the thumbnails would reposition. This is important as it will affect the user experience negatively and also can make the thumbnails as unreadable.

Steps to reproduce

1. signed up with valid details
2. logged in with the details
3. created a board
4. resized the browser window horizontally

Browser at full width on Macbook Air

Browser at (approx) half width - Macbook Air

Severity

Medium - Directly affects the user experience and usability of the application.

Priority

High - As the problem is likely to happen to users (depending on their browser preferences) and that this could influence using the application at all