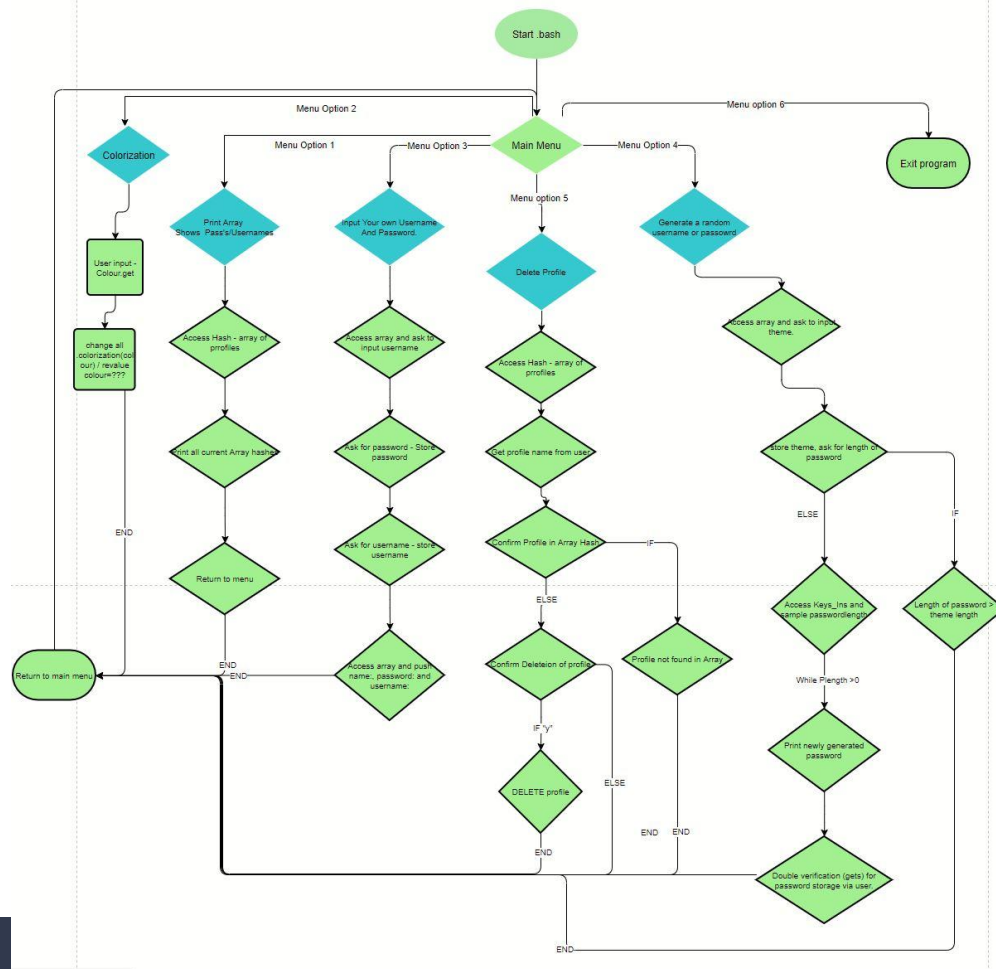


Lachlan Brasell

Terminal Application - T1A3

A dark blue diagonal gradient bar that starts from the bottom left corner and extends towards the top right corner, covering the lower half of the slide.

Though it is hard to read
it is indeed a flow chart
of the coding don't
worry.



Current flow-chart of terminal application.

Menu: Current Startup/Welcome and Main menu

```
ducki@Ducki:/mnt/c/Users/Locks PC/Desktop/Lachlan_T1A3/src$ ruby index.rb
Firstly let's choose a colour for the text!
red
secondly, What background colour would you like?
blue
```

WELCOME

WORD BANK

1. View Profiles (passwords and usernames).
 2. Colorization - Not Functional
 3. Make new password or username.
 4. Auto-generate a password or username
 5. Delete a profile.
 6. Exit out of this application
- Input 1 through 6 to visit corresponding area.

```
ducki@Ducki:/mnt/c/Users/Locks PC/Desktop/LachlanBrasell_T1A3/src$ ruby index.rb
Firstly let's choose a colour for the text!
blue
secondly, What background colour would you like?
yellow
```

WELCOME

WORD BANK

1. View Profiles (passwords and usernames).
 2. Colorization - Not Functional
 3. Make new password or username.
 4. Auto-generate a password or username
 5. Delete a profile.
 6. Exit out of this application
- Input 1 through 6 to visit corresponding area.

Option 1: Profile List

```
1. View Profiles (passwords and usernames).
2. Not Functional - Colorization
3. Make new password or username.
4. Auto-generate a password or username
5. Delete a profile.
6. Exit out of this application
Input 1 through 6 to visit corresponding area.1
These are the current profiles:
{name=>"Yournamehere", :username=>"exampleuser", :password=>"examplepass"}:
{name=>"secondexample", :username=>"examptwo", :password=>"example"}:
press Enter to continue...
```

Examples given are placeholders for a user or coder to see / adjust to as they please.

Used for viewing current profiles, other options which deal with creation will be listed in this section after creation as well.

Option 2: Colorization



```
WORD BANK
1. View Profiles (passwords and usernames).
2. Colorization - Not Functional
3. Make new password or username.
4. Auto-generate a password or username
5. Delete a profile.
6. Exit out of this application
Input 1 through 6 to visit corresponding area.
2
What colour do you wish to change the terminal text to? (Red, Green, Blue, Yellow, Purple.)
Blue
Would you like to change the background colour? y/n
y
what colour would you like the background?
Red
Changing colours now! Two seconds please.
press Enter to continue...
█
```

Example given shows process of choosing option 2 with all further interactions.

Colorization is supposed to allow the changing of colours within the program whilst using it as shown, however this option is currently not working as intended.

Option 3: User input Profile [{name:, password:, username:}]

```
1. View Profiles (passwords and usernames).
2. Not Functional - Colorization
3. Make new password or username.
4. Auto-generate a password or username
5. Delete a profile.
6. Exit out of this application
Input 1 through 6 to visit corresponding area.3
What profile name would you like to save this under? Testing
What would you like your username to be? PPT Test
Lastly what would you like your password to be? PPT Test P
These are the current profiles:
{:name=>"Yournamehere", :username=>"exampleuser", :password=>"examplepass"}:
{:name=>"secondexample", :username=>"examptwo", :password=>"example"}:
{:name=>" Testing", :username=>" PPT Test", :password=>" PPT Test P"}:
press Enter to continue...
█
```

Shown is an example of the entirety of the user input profile process.

The user is given the choice of accessing the Hash_array and updating it via input of profile options. This as stated in option 1 will then show up in the profile list viewer.

Option 4: Auto-Generated complex pieces

```
1. View Profiles (passwords and usernames).
2. Not Functional - Colorization
3. Make new password or username.
4. Auto-generate a password or username
5. Delete a profile.
6. Exit out of this application
Input 1 through 6 to visit corresponding area.
4
Passwords and usernames are hard to remember. Pick a theme to help! What theme would you like?:
PPT-Test1
How long would you like your password or username to be?(Must be longer than the theme as that theme is part of the password/username!):
20
This is your new password or username: PPT-Test1aZ0[y.<Hk.
-----Please press enter once you have written down this password/username!-----

press Enter to continue...
█
```

Option 4 is an auto-generated “password” or “username”. The piece allows for someone to think of a theme and input this theme as the starter of either piece.

This was supposed to generate both a username and password however with time restraints and skill restraints it was not possible without affecting entire integrity.

Option 5: Deletion of profiles

```
1. View Profiles (passwords and usernames).
2. Not Functional - Colorization
3. Make new password or username.
4. Auto-generate a password or username
5. Delete a profile.
6. Exit out of this application
Input 1 through 6 to visit corresponding area.
5
{:name=>"Yournamehere", :username=>"exampleuser", :password=>"examplepass"}
{:name=>"secondexample", :username=>"examptwo", :password=>"example"}
What profile would you like to delete? (Note you cannot get this back.)
secondexample
Are you sure you want to delete it?(y/n) y
You have deleted this profile.
press Enter to continue...
█
```

Option 5 or “Delete a profile.” was made to delete old or unwanted profiles which had been saved into the array.

The shown example unfortunately does not actually delete the profile and it is currently not working as intended.

Option 6: Exiting the program.

```
1. View Profiles (passwords and usernames).  
2. Not Functional - Colorization  
3. Make new password or username.  
4. Auto-generate a password or username  
5. Delete a profile.  
6. Exit out of this application  
Input 1 through 6 to visit corresponding area.  
6  
Goodbye!
```

Little to say; as this is simple a way to exit the program without spamming your Alt+F4 key in rage.

It is in fact less satisfying though.

	A	B	C	D	E	F	G	H	I	J	K
1											
2		Red = Fail / Green = Pass	#Test Number	Test Name:	Input for Test	Expected Outcome:	Actual Results:	Status - Pass or Fail	Commentation:		
3			1	Menu Option 1	"1"	Print of current profiles stored in Array	Prints current profiles even if new ones are added	PASS	Did as wanted, no issues very simple.		
4			2	Menu Option 2	colour = blue	Change colour of said menu or entire application / welcome page	Errors.	FAIL	Multiple line errors, commands are not correct and cannot get changing of colours once menu is set.	Fixed	
5			3	Menu Option 3	prof = Testing user_inp_username = usnametest user_inp_pass = passwordtest	Input of users wanted passwords/usernames / profile name and storage of said data pieces	User info is saved and in profile once method is finished, perfect.	PASS	Did as wanted, input of no info just leaves it empty - intentional		
6			4	Menu Option 4	theme = testing passwordlength = 20	Auto-generate a single password or username for the user to write down	Generates a single pass or user, did not do both but only 1 is needed.	PASS	Pushin into a user and or printing both was not possible as constraints on current code did not allow changing of constants		
7			5	Menu Option 5	namedel = test confirm = y	Deletion of a profile currently stored	Proceeded with deletion etc but did not take it out of the actual array.	FAIL	Not deleting from the array, may need access.		
8			6	Menu Option 6	"6"	Exit program	Exited the program no issues	PASS	Maybe need a more exciting exit message other than "goodbye!"		
9			7	Menu option 2 v2	color = blue color_b = red	Changing of current colours within the menu screen.	Finished code without errors but did not change the colours.	FAIL	array issues or invoking issues?		
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											

Error Handling:

Added some spice to the colours so it wouldn't kill my eyes.

Trello / Planning : 13/12

The Trello board is organized into seven columns, each representing a different stage of the project:

- Features**: Contains a 'Checklist' card with tasks like 'Users Management' (0/5), 'Report Generator' (0/5), 'Welcome Pages', 'Storage Devices', 'Tests', and 'Readme parts'. A progress bar shows 0% completion.
- Timeline - Documentation**: Contains a 'Sprint Backlog' card with tasks like 'Finish test coding' (0/4), 'Development - 300-500 words' (0/4), 'List of features - describe each' (0/2), 'Outline - User interaction and experience' (0/3), '(image) Diagram to describe control flow' (0/2), and 'Implementation plan - each feature implementation' (0/4). A progress bar shows 0% completion.
- Timeline - Coding**: Contains a 'Sprint Backlog' card with tasks like 'Finalisation of Auto-Testing' (0/6), 'Welcome and profile storage' (0/8), 'random gen - for P / U' (4/6), 'Password / Username Storage piece' (0/8), 'Choose colouring of page (bonus if i can do it in time) - give a little customisation to the users.', and 'Copy paste card'. A progress bar shows 0% completion.
- Working On**: Contains a 'Working On' card with tasks like 'Gems implementation and tests' (3/8) and 'Menu' (3/6). A progress bar shows 0% completion.
- Bugs**: Contains a 'Bugs' card with tasks like 'File Management' (4/6). A progress bar shows 0% completion.
- Done - Documentation pieces**: Contains a 'Documentation' card with tasks like '[Example Feature]' (2/4), 'Confirmation of Idea and a backup idea - Sent in to tutors via canvas' (1/1), 'Main page navigation', 'Get Backup idea 80% sorted (or finished)', 'Setup Trello - Send in Idea', 'Start test coding - 50% done', and 'Started Readme file' (3/3). A progress bar shows 0% completion.
- Done - Pieces of work**: Contains a 'Sprint - Done' card with tasks like 'Menu Creation' (3/3), 'Profile Saver' (5/5), and 'Add a card'. A progress bar shows 0% completion.

Trello / Planning : 16/12

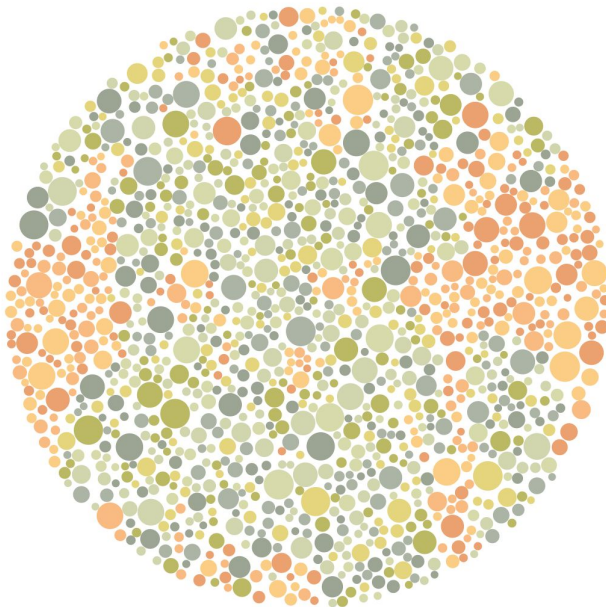
The Trello board is organized into 8 columns, each representing a different stage of the project:

- Features**: Checklist, Users Management (0/5), Report Generator (0/5). Legend: Green = done, Red = Not done.
- Timeline - Documentation**: Sprint Backlog, Finish test coding, Development - 300-500 words (4/5), List of features - describe each (1/2), (image) Diagram to describe control flow (0/2), Help documentation (0/2).
- Timeline - Coding**: Sprint Backlog, Finalisation of Auto-Testing, Welcome and profile storage, Copy paste card.
- Working On**: Working On, Gems implementation and tests (1/6/8), Menu (3/6), Password / Username Storage piece (6/7), Tests (6/7).
- Bugs**: Bugs, File Management (1/4/6), Choose colouring of page (bonus if i can do it in time) - give a little customisation to the users. - WILL NOT BE DONE (2/3).
- Done - Documentation pieces**: Documentation, [Example Feature] (2/4), Confirmation of Idea and a backup idea - Sent in to tutors via canvas (1), Main page navigation, Get Backup idea 80% sorted (or finished), Setup Trello - Send in Idea, Start test coding - 50% done, Started Readme file (3/3), Outline - User interaction and experience (3/3), Implementation plan - each feature implementation (4/4), Readme parts.
- Done - Pieces of work**: Sprint - Done, Menu Creation (3/3), Profile Saver (3/3), Storage Devices, random gen - for P / U (6/6), Welcome Pages.

Each card includes a progress bar, a checklist, and a 'Add a card' button at the bottom. The background is a dark, textured surface with a security camera on the right.

Challenges:

- Ruby in general.
- Scope size was way to large.
- Gem implementation (outdated).
- Time constraints.
- Auto-generation and implementation.
- Had to overhaul the design due to complications in implementation of certain code ideas.
- Colouring....
 - (Being colourblind and using red greens is not a good idea.)
- There isn't anything in the plate to the right.



Favorite part/s:

Making the Powerpoint.

Getting colorize to work properly for the first time.

Finding all the awesome gems people have made.

Everytime a method would properly implement itself into the program.

First program created.

Code Review.

Questions?

Lachlan Brasell

T1A3 - Terminal
Application

End of presentation.

Thank you.