

Supporting & Empowering Unemployed Young Adults

An Online Platform to Connect Youth Alliance Members in Australia

Supplemental Materials



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Sponsored by: The Brotherhood of St. Laurence, AUS
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These materials were created by a WPI project team in conjunction with The Brotherhood of St. Laurence in Australia in December of 2020.



WPI

Table of Contents

Supplemental Materials-A: YA Blanket Preamble	1
Supplemental Materials-B: YA Introductory Meeting Agenda	2
Supplemental Materials-C: Photo-Journaling	3
Supplemental Materials-D: Card Sort	4
Supplemental Materials-E: Young People's Internet Usage & Online Preferences Survey	5
Supplemental Materials-F: Admin Account Instructions	10
Supplemental Materials-G: Avatar Code	11
Supplemental Materials-H: Contributions	13

Supplemental Materials-A: YA Blanket Preamble

We are students from a University (Worcester Polytechnic Institute) in the United States, and as you know, we would like to work with you over the next eight weeks (from October 21, 2020 to December 11, 2020) to co-design an online platform for you, BSL's Youth Alliance (YA) members. We anticipate holding two, one-hour meetings on Zoom each week with you. We will be asking you about topics such as your online/social media usage, what features you like/dislike about social media platforms, and what your needs are in terms of obtaining resources and information about employment that might be shared through an online platform. We will also be asking for your help in collecting ideas and feedback on these topics from other TtW members through surveys and focus groups. Based on what we learn, we will design a prototype of an online platform with you. At the end of this project, we will be delivering this prototype to BSL and writing up our findings and recommendations in a report. We will identify you as co-designers as appropriate, but you may also choose to remain anonymous if you prefer. We will also write a brief overview of our experience of partnering with you and would like you to contribute your thoughts on this.

If you agree to participate in this project and would like to withdraw at any time, you are free to do so. Note that if you are under 18 years old, your parent or guardian must provide their consent for you to participate, and BSL will contact them about this.

Do you agree to participate in the project?

If you have more questions about the project at any point or wish to read our final report later, please contact us at gr-BSLB20@wpi.edu, or our WPI faculty advisors at ldh@wpi.edu and kumar@wpi.edu.

***Participant Name:**

***Date:**

IF UNDER 18 YEARS OLD:

***Parent/Guardian Name:**

***Date:**

Supplemental Materials-B: YA Introductory Meeting Agenda

- All 3 of us introduce ourselves
 - Name
 - Age
 - Major/Interests
 - Where we are from
 - Siblings, pets
 - Favorite TV show
- All YA introduce themselves (same template as above)
- Spyfall (10-15 mins)
 - This is a virtual game in which players are each assigned roles, with one person being the spy. All players, except for the spy, are given the name of a secret location (i.e., pirate ship, hospital, etc.). The goal of the spy is to guess the correct location without being caught before the time runs out. If the spy guesses correctly, they win; however, if the spy is caught before time is up or the location is guessed, the rest of the group wins. A thorough description of the rules of the game are outlined on the game website: <https://www.spyfall.app/gamerules>
- Name Game (20-25 mins)
 - On a Google document, participants will write down a well-known name (i.e., Mickey Mouse, Miley Cyrus).
 - One participant will read off the names twice through, and then they will all be deleted.
 - The youngest person will start this next series of events. They will address another player and guess their name. If they guess correctly, the guessed player will then team up with the player who guessed them, and they will work together throughout the rest of the game. If they guess incorrectly, the guessed player continues to play and will get to guess another player. Repeat this step for the rest of the game.
 - The game continues on until there is only one player left who has not been guessed. This player wins the game.
- Wrap up with talking about the project for next time
 - “We are so excited to meet you and we had a lot of fun today. Next time we meet, we will talk more about our project and what we will be collaborating on in the next seven or so weeks.”

Supplemental Materials-C: Photo-Journaling

As outlined by DesignKit (n.d.), the steps we followed were:

1. Develop a prompt from which we want to gather insights about.
 - a. The prompt we used was “Take a picture of something that represents your future goals and aspirations.”
2. Make sure that everyone has a camera or phone from which they can take a picture. If this is not possible, allow the members to get creative with what they bring in (i.e., painting, drawing, an actual object, etc.).
3. Assign this task to the Youth Alliance at the end of a team meeting. Allow them 2-3 days to complete this. Have them send us the pictures in advance (however, those who do not have a camera cannot get these to us in advance).
4. Before our next group meeting, come up with a few talking points or questions to encourage discussion amongst the Youth Alliance.
5. Once this task is complete, set up a meeting with the Youth Alliance to go over these photos in more depth.
6. Allow each person to talk about their photo and what it represents and why. Encourage others to also speak on how their peers’ photos resonate with them. Use the questions developed earlier if discussion is slow.

Supplemental Materials-D: Card Sort

The website we used to run the activity: <https://app.optimalworkshop.com>

The card items that we provided were:

- Stories
- Live videos
- Sharing posts
- Direct messaging
- Likes/views
- Blog posts
- Sharing resources
- Ease of connectivity
- Customizable individual profile
- Customizable settings
- Customizable filters and fonts
- Seamless navigation
- Login screen
- User following
- Mobile application
- News feed
- Push notifications
- Uploading photos/videos
- Video calls
- Audio calls
- Blocking users
- Tagging capabilities in media content
- Discussion forums
- Commenting on media content
- Saving content (i.e., bookmarking recipes, pictures)
- Group messaging
- Filtered content
- Search capabilities

Supplemental Materials-E: Young People's Internet Usage & Online Preferences Survey

This survey was made and distributed via WPI Qualtrics.

Welcome!

Welcome! The point of this survey is to gather preliminary information on the Australian youth's internet usage and online presence.

Preamble

Q2 We want to develop an internet tool that you all (TtW participants) can use to chat with other members, share ideas, have access to resources, and other modes of online connection with your peers at the Brotherhood of St. Laurence (BSL) and/or The National Community of Practice. To do this we need your help! It will take 15 minutes to fill out our survey below. We are asking questions to learn more about how you use the internet and what you like about certain sites. We want to hear all of your ideas, but you are free to skip any questions that you do not want to answer. We will summarize our results to use in our final report, but you will not be identified by name in any reports. By filling out the survey, you acknowledge your voluntary participation in this project. If you have further questions about this project or wish to read our final report, please contact us at gr-BSLB20@wpi.edu or our WPI faculty advisors at ldh@wpi.edu and kumar@wpi.edu.

Survey Questions

Q3 How old are you? _____

Q4 How do you identify yourself?

- Male
- Female
- Other

Q5 Do you have access to reliable internet in any way (e.g., WIFI, cellular data, Hotspot)?

- I can always access the internet
- I sometimes have problems with my internet
- I usually struggle to access the internet
- I am almost never able to access the internet
- I do not have access to reliable internet
- Other

Q6 If other, please specify. _____

Q7 How many hours a day do you use the internet on average?

- 0-4 hours
- 4-8 hours

- 8-12 hours
- 12-16 hours
- 16-20 hours
- 20-24 hours

Q8 How do you usually access the internet? Check all that apply.

- My phone
- My laptop/desktop computer
- My tablet (e.g., iPad, Surface Pro)
- An organization's computer (i.e., library, school, BSL, etc.)
- Family or friend's phone
- Family or friend's laptop/desktop computer
- Family or friend's tablet (e.g., iPad, Surface Pro)
- Other

Q9 If other, please specify. _____

Q10 When using applications like Facebook or YouTube, do you prefer to use the online browser (i.e., Facebook.com or Youtube.com) on your laptop or mobile device? Why?

- Laptop website
- Mobile website

Q11 Why? _____

Q12 What do you usually use the internet for? Check all that apply.

- To use social media (i.e., Facebook, Instagram, Snapchat, etc.)
- To make video calls
- To message people
- To do my schoolwork
- To do work for my job
- For entertainment (To watch TV/videos, listen to music, play games, read)
- To Google search questions of interest to me
- To send emails
- To read the news
- To further my career development or to obtain a career
- To shop
- Other

Q13 If other, please specify. _____

Q14 What social media platforms (e.g., Facebook, Instagram, Twitter, YouTube, Snapchat, etc.) do you use? Check all that apply.

- I do not use social media.
- Instagram
- Facebook

- YouTube
- Tumblr
- LinkedIn
- Snapchat
- WhatsApp
- Tik Tok
- Twitter
- Twitch
- Tinder
- Zoom
- Skype
- Pinterest
- Other

Q15 If you selected “Other” previously, please specify what platform(s) you use. _____

Q16 What is your favorite online platform? _____

Q17 What do you like most about your favorite online platform? Why? _____

Q18 Do you communicate with others online or through technology?

- Yes
- No

Q19 How do you prefer to communicate online? Rank the options.

- _____ Video calls
- _____ Audio calls
- _____ Photos
- _____ Videos
- _____ Messages
- _____ Email

Q20 Do you speak a language other than English?

- Yes
- No

Q21 If yes, what language(s) do you speak? _____

Q22 Do you have any disabilities or conditions that affect the way you use the internet (i.e., vision impairment, difficulty hearing)?

- Yes
- No

Q23 What challenges do these conditions or other languages create for you in using the internet?

Q24 Do you have any ideas for how technology or an online platform can help you to combat these challenges? _____

Q25 If we were to build a site/social media platform specifically for BSL young people, what purpose would you want to use this for? (e.g., communication, sharing content, resources, LinkedIn-style posts, etc.) _____

Q26 If we were to build a site/social media platform specifically for BSL young people, what would you hope to get out of this technology? (i.e., friends, connections, practice posting for a job, resume critiques, mentorship, encouragement, etc.) _____

Q27 If we were to build a site/social media platform specifically for BSL young people, what features would you most want to see/use on it? Please rank in order of importance, with number 1 being the most important.

- _____ Direct messaging
- _____ Group messaging
- _____ Sharing your or others' posts with someone else
- _____ Tagging capabilities in media content
- _____ Filtered content based on personal interests
- _____ Saving content (i.e., bookmarking recipes, pictures)
- _____ Likes and views
- _____ Uploading photos and videos
- _____ Commenting on media content
- _____ Push notifications
- _____ Customizable individual profile
- _____ Blocking users
- _____ Customizable privacy settings
- _____ Customizable filters, fonts, language
- _____ Search capabilities
- _____ News feed

Q28 If we were to build a site/social media platform specifically for BSL young people, would you want it to be for social purposes, professional, or both? (e.g., like a mix of Instagram and LinkedIn)

- Only social
- Only professional
- Both professional and social

Q29 If you chose both, would you want the option to separate personal content from professional?

- Yes
- No
- I don't care

Q30 If we were to build a site/social media platform specifically for BSL young people, would you want it to be able to be translated into a language other than English?

- Yes
- No

Q31 If yes, what language(s)? _____

Q32 Would you be willing to chat with us and other TtW and YA members in the upcoming weeks about how to best help you through an online platform? This would be only one meeting.

- Yes
- No

Q33 If yes, would you prefer to meet individually or in a group setting?

- Individually
- Group setting
- No preference

Q34 Please provide us with your contact information so that we can schedule a time to meet.

- Name _____
- Email (or other way to best contact you) _____

Submit

*By clicking the NEXT arrow button, you will be submitting this survey. You cannot go back and change any responses after submitting and you can only complete this questionnaire once.

Thank you

Thank you for your participation in this survey!

Your responses were successfully submitted to the WPI IQP Team's database. This is a reminder that your responses were collected anonymously, and you will only be further contacted/identified if you opted to do so. If you have any questions, please contact us at gr-BSLB20@wpi.edu.

Supplemental Materials-F: Admin Account Instructions

To create an admin account:

1. Sign up as a staff member (i.e., using a BSL-provided email).
2. In the webpage URL, type “/admins” after the website link to bring you to the correct page.
3. Enter the given secure key: fp2W4C64m8z1.
4. The webpage will bring you back to the homepage and confirm in a banner “You now have admin capabilities.”
5. As an admin, you should now see “Delete” buttons on all posts, comments, and user profiles, including your own profile in case you no longer wish to be an admin.
6. After becoming an admin, following the “/admins” route in the URL will now bring you to the “Admin Panel” where you can review reported users and content.

Supplemental Materials-G: Avatar Code

```

def ConstructAvImage
  dna = [1, 0, 0, 0, 0, []]
  bg_ops = ["app/assets/images/av/BGs/BG1.png", "app/assets/images/av/BGs/BG2.png"]
  arm_ops = ["app/assets/images/av/Arms/Arms1.png", "app/assets/images/av/Arms/Arms2.png"]
  eye_ops = ["app/assets/images/av/Eyes/Eyes1.png", "app/assets/images/av/Eyes/Eyes2.png"]
  mouth_ops = ["app/assets/images/av/Mouths/Mouth1.png", "app/assets/images/av/Mouths/Mouth2.png"]
  hat_ops = ["app/assets/images/av/Hats/Hat1.png", "app/assets/images/av/Hats/Hat2.png"]
  extra_ops = ["app/assets/images/av/Extras/Extras1.png", "app/assets/images/av/Extras/Extras2.png"]

  @bg = MiniMagick::Image.open(bg_ops[dna[0]])
  @body = MiniMagick::Image.open("app/assets/images/output.png")
  @arms = MiniMagick::Image.open(arm_ops[dna[1]])
  @eyes = MiniMagick::Image.open(eye_ops[dna[2]])
  @mouth = MiniMagick::Image.open(mouth_ops[dna[3]])
  @hat = MiniMagick::Image.open(hat_ops[dna[4]])
  @extras = Array.new
  dna[5].each { |extra|
    @extras.push(MiniMagick::Image.open(extra_ops[dna[5]]))
  }
  av = @bg.composite(@body) do |c|
    c.compose "Over"
    c.geometry "+0+0"
  end
  av = av.composite(@arms) do |c|
    c.compose "Over"
    c.geometry "+0+0"
  end
  av = av.composite(@eyes) do |c|
    c.compose "Over"
    c.geometry "+0+0"
  end
  av = av.composite(@hat) do |c|
    c.compose "Over"
    c.geometry "+0+0"
  end
  av = av.composite(@mouth) do |c|
    c.compose "Over"
    c.geometry "+0+0"
  end
  @extras.each { |extra|
    av = av.composite(extra) do |c|
      c.compose "Over"
      c.geometry "+0+0"
    end }

  #av.write "app/assets/images/koala2.png"
  #current_user.koala.purge
  #current_user.koala.attach(io: File.open(Rails.root.join("app", "assets", "images", "koala2.png")),
filename: 'koala2.png', content_type: "image/png")
  current_user.update_attribute(:koala, av.to_blob)
end

```

Figure 1: In-progress backend code for Avatar feature.

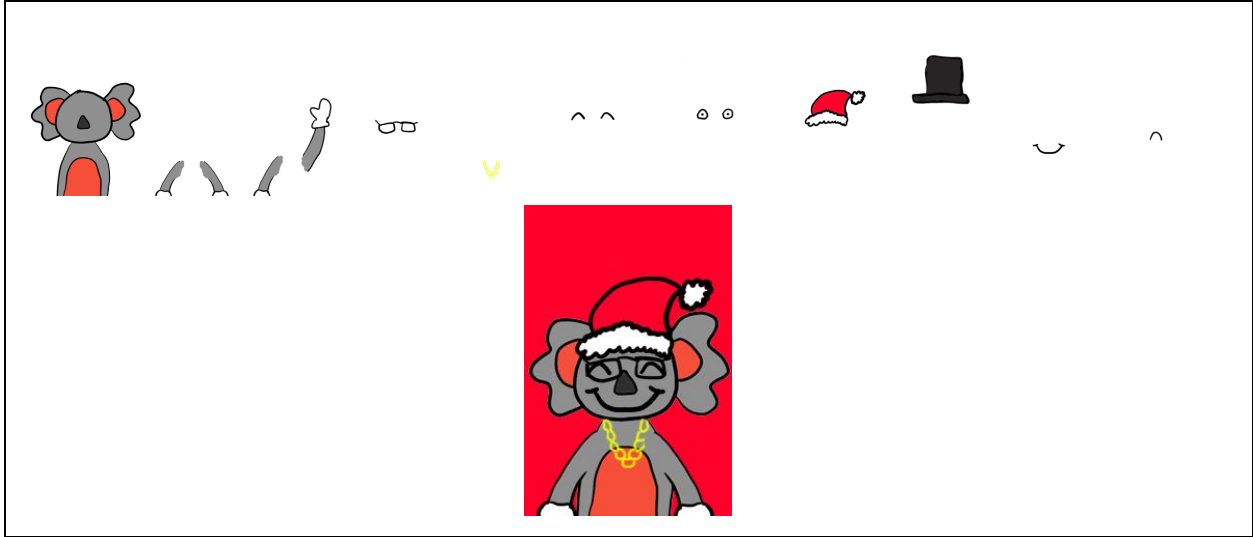


Figure 2: Example image layer designs for Avatar feature.

Supplemental Materials-H: Contributions

Author	Contribution
Emma Bailey	Acknowledgements
	Abstract
	Introduction
	Background: Introduction, Youth Poverty & Unemployment in Australia, The Need for Career Development Resources, The Importance of Giving Youth a Voice, SAL, Studies on Young People's Technology Engagement, Cultural Usability User Testing
	Methods & Results: Introduction, The Implementation of PAR Throughout the Project, Objective 2, Photojournaling, Objective 3, Survey, Focus Group, Objective 4, Pair Programming, Prototype 1
	Final Deliverable
	Reflection
	Recommendations & Conclusions
	Authorship
	Supplemental Materials A, B, E, F
	Editing: All sections/entire booklet
	Template
	Web Design of website
Cole Noreika	Acknowledgements
	Abstract
	Introduction
	Background: The Brotherhood of St. Laurence, Rapid Throwaway Prototyping Model, Cultural Usability User Testing
	Methods & Results: Objective 1, The Implementation of PAR Throughout the Project, Objective 2, Objective 3, Card Sort, Focus Group, Objective 4, Rapid Throwaway Prototyping Model, Pair Programming, Prototype 1

	Final Deliverable
	Reflection
	Recommendations & Conclusions
	Authorship
	Supplemental Materials: A, B, E, G
	Editing: All sections/entire booklet
	Template Revisions
	Website Development
Ashley Schuliger	Acknowledgements
	Abstract
	Introduction
	Background: Participatory Action Research, Effects on Community and Project Impact, Young Australians' Online Technology Use, Web Accessibility
	Methods and Results: Implementation of Participatory Action Research Throughout the Project, Objective 2, Photojournaling, Objective 3, Card Sort, Objective 4, Pair Programming, Prototype 2
	Final Deliverable
	Reflection
	Recommendations & Conclusions
	Authorship
	Supplemental Materials: A, B, C, D, E
	Editing: All sections/entire booklet
	Template Revisions
	Website Development