

Final Project Guide #1
APPDEV1 (Introduction to Application Development)
December 3, 2025

Application Name: **Little Dreams**

Developers: **Clifford Xhyrus Arjona & Erin Camille Albino**

Introduction

A. Purpose

Little Dreams is a comprehensive web-based platform designed to support parents in creating calming and effective bedtime routines for their children. The primary purpose is to provide a centralized digital resource that combines multiple bedtime-related tools and content to facilitate peaceful sleep and quality parent-child bonding time during nighttime routines.

B. Scope

Little Dreams aims to be the go-to digital companion for parents seeking to create peaceful, personalized bedtime experiences that help their children sleep better while strengthening parent-child bonds.

Stakeholder/Group Profile

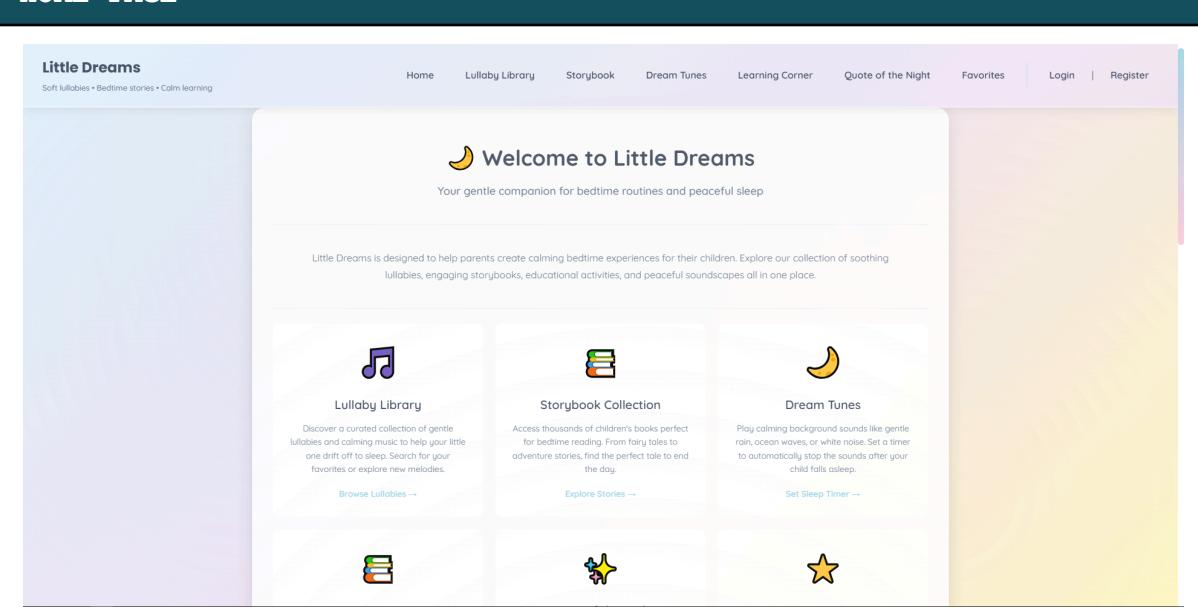
Representative (Group Members)	Clifford Arjona
Description	Lead developer and co-creator of Little Dreams platform.
Type	Internal - Technical Lead
Responsibilities	<ul style="list-style-type: none">● Design and implement system architecture● Develop frontend user interfaces (all pages and navigation)● Implement user authentication and

	<p>authorization system</p> <ul style="list-style-type: none"> ● Create and manage database schema for users and favorites ● Integrate audio playback and timer functionality ● Ensure responsive design across devices ● Bug fixing and troubleshooting ● Coordinate with co-developer on feature integration ● Manage version control and deployment ● Ensure application security and data privacy
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Representative (Group Members)	Erin Camille E. Albino
Description	Co-developer and technical partner in the Little Dreams project.
Type	Internal - Developer
Responsibilities	<ul style="list-style-type: none"> ● Develop backend functionality and APIs ● Implement content management system for media files ● Create and maintain user profile and favorites features ● Develop Learning Corner interactive components ● Implement audio streaming capabilities ● Design and populate content

	<p>libraries (lullabies, stories, sounds)</p> <ul style="list-style-type: none"> • Develop form validation and error handling • Collaborate on UI/UX design decisions • Contribute to project documentation • Support troubleshooting and debugging efforts
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USER INTERFACES

HOME PAGE	
	<p>Purpose</p> <p>This page serves as the welcoming dashboard for the Little Dreams platform. It provides an overview of available features for parents to explore, offering calming bedtime content like lullabies, storybooks, and peaceful sleep resources for children.</p>

Navigat ion and user interac tion	<p>Navigation:</p> <ul style="list-style-type: none"> - Top Bar: Links to Home, Lullaby Library, Storybook, Dream Tunes, Learning Corner, Quote of the Night, Favorites, Login/Register. <p>Main Sections:</p> <ul style="list-style-type: none"> - Lullaby Library: Explore lullabies. - Storybook Collection: Explore bedtime stories. - Dream Tunes: Set calming background music. <p>User Interaction:</p> <ul style="list-style-type: none"> - Click on Browse Lullabies, Explore Stories, or Set Sleep Timer to interact with content. - Access Favorites or Login/Register for account management.
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LULLABY LIBRARY PAGE

Purpose	<p>This page displays a collection of soothing lullabies and calming music, allowing users to search for specific lullabies and play or save them for later.</p>
Navigat ion and	<ul style="list-style-type: none"> • Search Bar: Located at the top, allowing users to search for lullabies by name.

user interaction	<ul style="list-style-type: none"> ● Lullaby Entries: Each entry shows a thumbnail of the album art, the title of the lullaby, and the artist. <ul style="list-style-type: none"> ○ Play: Clicking the Play button starts the selected lullaby. ○ Add to Favorites: Users can add a lullaby to their favorites by clicking the heart/star icon. ○ ● Content List: Users can scroll through different lullabies, each with relevant details (e.g., title and artist) displayed.
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STORYBOOK COLLECTION PAGE

The screenshot shows the 'Storybook Collection' page of the 'Little Dreams' website. At the top, there's a navigation bar with links for Home, Lullaby Library, Storybook, Dream Tunes, Learning Corner, Quote of the Night, Favorites, Login, and Register. Below the navigation is a search bar with the placeholder 'Search children's books...'. The main content area displays three book entries in a grid format:

- The Adventures of Sherlock Holmes** [12 stories] by Arthur Conan Doyle, first published 1892. Buttons: View Details, Add to Favorites.
- The Complete Life and Adventures of Santa Claus** by L. Frank Baum, first published 1902. Buttons: View Details, Add to Favorites.
- Adventures of Huckleberry Finn** by Mark Twain, first published 1876. Buttons: View Details, Add to Favorites.

Purpose	This page features a selection of bedtime stories for children, offering users the ability to search for stories, view details about them, and save their favorites for later reading.
Navigation	<ul style="list-style-type: none"> ● Search Bar: Positioned at the top for searching children's books by title or author.

and user interaction

- **Storybook Entries:** Each entry displays the book cover, title, author, and a **View Details** button.
 - **View Details:** Clicking on this button opens more information about the book.
 - **Add to Favorites:** Allows users to add a story to their favorites for quick access later.
- **Content List:** Users can scroll through a list of books, categorized by different themes or genres, allowing for an easy selection of stories suitable for bedtime.

BEDTIME TIMER AND CALMING SOUNDS PAGE

The screenshot shows the 'Bedtime Timer & Calming Sounds' section of the Little Dreams website. At the top, there's a navigation bar with links for Home, Lullaby Library, Storybook, Dream Tunes, Learning Corner, Quote of the Night, Favorites, Login, and Register. Below the navigation, a title 'Bedtime Timer & Calming Sounds' is displayed with a moon icon. A sub-instruction 'Play soothing sounds and set a timer for peaceful sleep' follows. The main content area is divided into two sections: 'Step 1: Choose Your Calming Sound' and 'Step 2: Set a Bedtime Timer (Optional)'. Under Step 1, there are five sound options: Gentle Rain (soft rainfall sounds), Ocean Waves (calming sea sounds), Heartbeat (soothing rhythm), White Noise (pure white noise), and Forest Sounds (birds and nature). Each option includes a small icon and a 'Play' button. Under Step 2, there's a placeholder for a timer setting.

Purpose	This page helps parents create a calming bedtime routine for children by providing ambient sounds and an optional timer. It aims to facilitate peaceful sleep through soothing audio options.
Navigat	<ul style="list-style-type: none"> ● Top Navigation Bar: Contains links to Home, Lullaby

ion and user interac tion	<p>Library, Storybook, Dream Tunes, Learning Corner, Quote of the Night, Favorites, Login, and Register</p> <ul style="list-style-type: none"> Sound Selection: Users can choose from six calming sound options. Play Buttons: Each sound option has a light blue "Play" button that users can click to start the audio Timer Option: Users can optionally set a timer to automatically stop the sounds after a specified duration
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LEARNING CORNER PAGE

Purpose	<p>This educational page provides interactive learning activities for young children, focusing on fundamental concepts like the alphabet, numbers, and colors. It's designed to make early learning fun and engaging.</p> <p>Navigation & User Interaction:</p>
Navigat ion	<ul style="list-style-type: none"> Top Navigation Bar: Consistent navigation menu across the site

and user interaction

- **Alphabet Fun Section:** Interactive alphabet buttons (A-Z) arranged in rows. Users can click on any letter to hear its sound
- **Count with Me (1-20) Section:** Number buttons from 1 to 20 for counting practice. Clicking numbers likely plays audio counting
- **Colors Section:** Eight colored blocks displaying basic colors (Red, Blue, Yellow, Green, Purple, Orange, Pink, Brown). Each block is labeled with the color name

QUOTE OF THE NIGHT PAGE

The screenshot shows the 'Quote of the Night' page. At the top, there's a navigation bar with links for Home, Lullaby Library, Storybook, Dream Tunes, Learning Corner, Quote of the Night, Favorites, Login, and Register. Below the navigation is a large, rounded rectangular container with a white background and a thin gray border. Inside this container, there's a small yellow icon of a star with a face, followed by the text 'Quote of the Night' in a bold, black, sans-serif font. Underneath, in a smaller, gray font, it says 'Inspiration for parents and their little dreamers'. In the center of the container, there's a quote in italicized black font: '*"It is easier to build strong children than to repair broken men."*'. Below the quote, in a smaller gray font, is the attribution '— Frederick Douglass'. The background of the page has a soft, warm gradient from light blue at the top to yellow at the bottom.

Purpose

This page provides inspirational quotes for parents, offering motivation and wisdom related to parenting and child development. It serves as a reflective moment for caregivers.

Navigati

- **Top Navigation Bar:** Same navigation menu as other

on and user interaction

- pages (Home, Lullaby Library, Storybook, Dream Tunes, Learning Corner, Quote of the Night, Favorites, Login, Register)
- **Quote Display:** Features a centered inspirational quote with attribution (in this case, a Frederick Douglass quote about building strong children)
 - **Static Content:** This appears to be a read-only page where users can view the featured quote
 - **Footer:** Contains copyright information crediting Clifford Arjona & Erin Albino, School of Information Technology, Little Dreams © 2025

FAVORITES PAGE

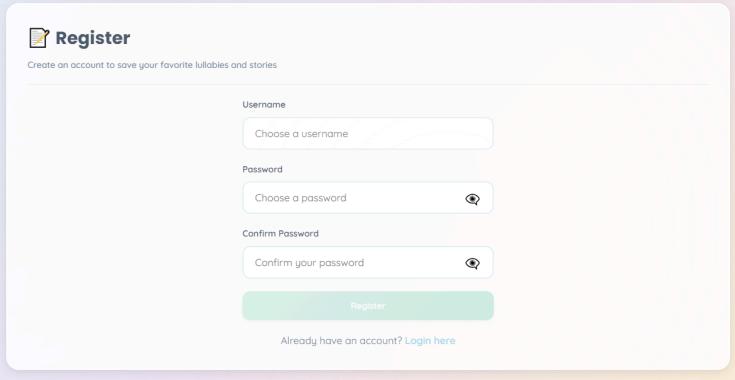
The screenshot shows the 'Your Favorites' section of the Little Dreams website. At the top, there is a navigation bar with links for Home, Lullaby Library, Storybook, Dream Tunes, Learning Corner, Quote of the Night, Favorites, Login, and Register. Below the navigation bar, a heading says '★ Your Favorites' with the subtext 'Your saved lullabies and storybooks in one place'. A message at the bottom of the section says 'Please [login](#) to view and manage your favorites'. The background of the page has a soft, colorful gradient.

Purpose

This page serves as a personalized collection space where users can save and access their favorite lullabies and storybooks. It acts as a bookmarking system for frequently used content, allowing parents to quickly find and return to their children's preferred bedtime

	materials.
Navigation and user interaction	<ul style="list-style-type: none"> ● Top Navigation Bar: Standard site navigation with links to all main sections (Home, Lullaby Library, Storybook, Dream Tunes, Learning Corner, Quote of the Night, Favorites, Login, Register) ● Star Icon Header: Visual indicator of the favorites feature with a yellow star emoji ● Authentication Gate: The page displays a message prompting users to log in before they can view or manage favorites ● Login Link: Clickable "login" text link (shown in light blue) that redirects users to the login page ● Empty State: Shows explanatory text "Your saved lullabies and storybooks in one place" to communicate the page's purpose
LOGIN PAGE	
Purpose	This authentication page allows returning users to

	<p>access their accounts and personalized features like saved favorites. It provides secure access to user-specific content and settings within the Little Dreams platform.</p>
Navigation and user interaction	<ul style="list-style-type: none"> ● Top Navigation Bar: Full site navigation remains accessible ● Icon Header: Welcome message with icon indicating returning user login ● Username Field: Text input with placeholder "Enter your username" ● Password Field: Password input with placeholder "Enter your password" ● Password Visibility Toggle: Eye icon button on the right side of password field to show/hide password characters ● Login Button: Large light blue button to submit credentials ● Registration Link: "Don't have an account? Register here" text with clickable link directing new users to the registration page ● Form Validation: Likely includes error handling for incorrect credentials (not visible in current state)
REGISTER PAGE	

 Little Dreams Soft lullabies • Bedtime stories • Calm learning		Home Lullaby Library Storybook Dream Tunes Learning Corner Quote of the Night Favorites	Login Register
			
Purpose			<p>This page enables new users to create an account on the Little Dreams platform, allowing them to access personalized features such as saving favorite lullabies and storybooks. It's the entry point for new users to join the platform.</p>
Navigation and user interaction			<ul style="list-style-type: none"> ● Top Navigation Bar: Complete site navigation available ● Document Icon Header: Indicates account creation with note-taking/registration visual metaphor ● Purpose Statement: "Create an account to save your favorite lullabies and stories" clearly explains the benefit of registration ● Form Fields: <ul style="list-style-type: none"> - Username Field: Text input with placeholder "Choose a username" - Password Field: Password input with placeholder "Choose a password" and eye icon toggle for visibility - Confirm Password Field: Password confirmation

input with placeholder "Confirm your password" and separate eye icon toggle

- **Password Visibility Toggles:** Each password field has its own eye icon button to independently show/hide password text
- **Register Button:** Large mint green button to submit the registration form
- **Login Link:** "Already have an account? Login here" text with clickable link for existing users to navigate to login page
- **Form Validation:** Likely includes password matching validation and username availability checks

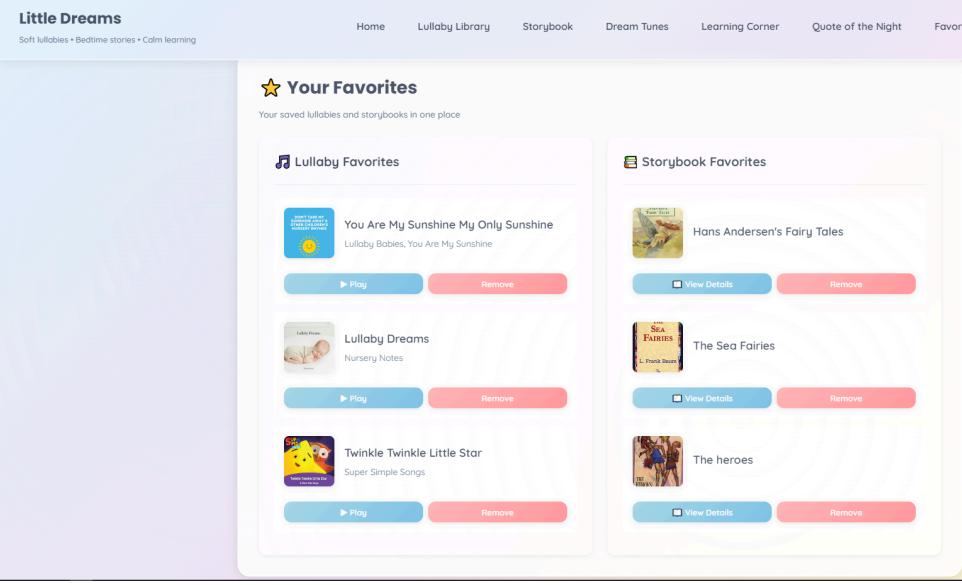
HOME / LANDING PAGE (AUTHENTICATED OR LOGGED IN)

The screenshot shows the Little Dreams landing page. At the top, there's a navigation bar with links for Home, Lullaby Library, Storybook, Dream Tunes, Learning Corner, Quote of the Night, Favorites, and a user profile section with 'Hello, Test User' and 'Logout'. Below the navigation is a large central area with a pink-to-yellow gradient background. It features a 'Welcome to Little Dreams' header with a moon icon, followed by a sub-header 'Your gentle companion for bedtime routines and peaceful sleep'. A descriptive paragraph explains the platform's purpose: 'Little Dreams is designed to help parents create calming bedtime experiences for their children. Explore our collection of soothing lullabies, engaging storybooks, educational activities, and peaceful soundscapes all in one place.' Below this text are three main feature sections: 'Lullaby Library' (represented by a musical note icon), 'Storybook Collection' (represented by a book icon), and 'Dream Tunes' (represented by a moon icon). Each section has a brief description and a 'Browse' or 'Explore' button. At the bottom of the central area are three decorative icons: a stack of books, a colorful star, and a yellow star.

Purpose	This is the main landing page that serves as the central hub for the Little Dreams platform. It introduces the platform's purpose and provides quick access to all major features. It's designed to help parents understand
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	what the platform offers and navigate to specific sections based on their needs.
Navigati on and user interact ion	<p>Top Navigation Bar (Authenticated) :</p> <ul style="list-style-type: none"> Shows "Hello, Test User" greeting indicating logged-in status Includes "Logout" option Full navigation menu remains accessible <p>Hero Section:</p> <ul style="list-style-type: none"> Large welcome banner with moon emoji icon Tagline: "Your gentle companion for bedtime routines and peaceful sleep" Mission statement explaining the platform's purpose <p>Feature Cards Grid: Three primary feature sections displayed with icons and descriptions:</p> <ul style="list-style-type: none"> Lullaby Library (Music note icon): Description of gentle lullabies and calming music. ("Browse Lullabies →" call-to-action link in light blue) Storybook Collection (Books icon): Description of children's bedtime books. ("Explore Stories →" call-to-action link in light blue). Dream Tunes (Moon icon): Description of calming background sounds with timer feature. ("Set Sleep Timer →" call-to-action link in light blue).

FAVORITES PAGE (AUTENTICATED / LOGGED IN)

	
<p>Purpose</p>	<p>This is the personalized favorites management page where authenticated users can view, access, and manage their saved lullabies and storybooks. It provides quick access to frequently used content without having to search through the entire library.</p>
<p>Navigation and user interaction</p>	<ul style="list-style-type: none"> Top Navigation: Shows "Hello, Test User" with Logout option, confirming authenticated state Page Header: Star icon with "Your Favorites" title and descriptive subtitle Two-Column Layout: Left Column - Lullaby Favorites (Music note icon) & Right Column - Storybook Favorites (Book Icon) Play Functionality: Direct playback for lullabies without leaving favorites page View Details: Opens full information for storybooks Remove Function: Pink buttons allow users to unfavorite items

- **Thumbnail Previews:** Visual identification of each item
- **Metadata Display:** Shows artist/author information

USER PROFILE PAGE

Little Dreams
Soft lullabies • Bedtime stories • Calm learning

Home Lullaby Library Storybook Dream Tunes Learning Corner Quote of the Night Favorites Hello, Test User | Logout

Profile

Username: Test User

Your Favorites

Lullabies

- You Are My Sunshine My Only Sunshine
- Lullaby Dreams
- Twinkle Twinkle Little Star

Storybooks

- Hans Andersen's Fairy Tales
- The Sea Fairies
- The heroes

Clifford Arjona & Erin Albino - School of Information Technology - Little Dreams © 2025

Purpose	This page displays the user's account information and provides a comprehensive overview of their saved favorites. It serves as a personal dashboard where users can see their username and review all their favorite content in a simple list format.
Navigation and user interaction	<ul style="list-style-type: none"> ● Top Navigation: Shows "Hello, Test User" greeting with Logout option ● Profile Header: "Profile" title in bold ● Account Information: <ul style="list-style-type: none"> - Username Display: "Username: Test User" ● Your Favorites Section: Organized list of all saved

items divided into categories:

- Lullabies
- Storybooks

- **Simple List View:** Text-only display of favorites (no thumbnails or action buttons)
- **Category Organization:** Clear separation between lullabies and storybooks
- **Read-Only Display:** This appears to be an overview page rather than a management interface
- **Minimalist Design:** Clean, simple layout focusing on information display
- **User Flow:** Users access profile to view account details and get a quick overview of all saved content

CURRICULUM VITAE

CLIFFORD ARJONA

STUDENT



CONTACT

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- Quezon Hill, Baguio City, Benguet

SUMMARY

Dedicated Computer Science student at the University of Baguio with hands-on experience in multiple programming languages. Proven ability to learn and develop or create applications/programs with focus on backend development. Passionate about creating meaningful programs that enhance user experience, particularly in educational and family-oriented applications.

SKILLS

PROFESSIONAL

- Problem Solving & Debugging
- Project Planning & Execution
- Attention to Detail
- Continuous Learning
- Collaborative Development

WORKING EXPERIENCE

WORK IMMERSION

PMA - Camp Allen | 2022

- Learning Html, CSS, Javascript, and PHP
- Creating a Project for Cybersecurity
- Developed understanding of workplace ethics, punctuality, and professional communication

COMPUTER SCIENCE STUDENT

University of Baguio | 2023 - Present

- Expert at maintaining relations with corporate clients
- Together with the creative director, manage a team of design and marketing professionals
- Managed multi-platform regional and national campaigns

EDUCATION

BAGUIO CITY NATIONAL SCIENCE HIGH SCHOOL

ICT STUDENT

2021 - 2022

UNIVERSITY OF BAGUIO

Computer Science Student

2023 - Present

ERIN CAMILLE ALBINO

STUDENT



CONTACT

- 09683836361
- 20247661@s.ubaguio.edu
- East Rembo, Makati City,
Metro Manila

SUMMARY

Computer Science student | Licensed Financial Advisor | Content Creator Building innovative tech solutions while helping families secure their financial futures. Passionate about leveraging technology to modernize financial services and educate audiences through authentic digital content. Combining coding expertise, financial knowledge, and social influence to make a meaningful impact.

SKILLS

PROFESSIONAL

- Object-Oriented Programming & SOLID Principles (Java)
- Database Design & Management
- Responsive UI/UX Design & User-Centered Development
- Problem-Solving, Debugging & Project Collaboration

WORKING EXPERIENCE

TALENT / INFLUENCER

TRND Marketing Inc. | July 2025 - Present

Dynamic content creator and digital storyteller specializing in fashion niche. Proven track record of building brand partnerships and creating viral content that resonates with young adults. Passionate about inspiring, educating, and entertaining audiences through innovative digital media.

LICENSED FINANCIAL ADVISOR

Sun Life of Canada | August 2025 - Present
(Philippines), Inc

Dedicated financial advisor and life insurance specialist helping families and individuals secure their financial future through comprehensive protection planning. Guiding clients through life's uncertainties by crafting personalized life insurance solutions that protect what matters most.

EDUCATION

BUTING SENIOR HIGH SCHOOL

With High Honors
DOST Scholar Passer
Best Presenter in Research
2022-2023

UNIVERSITY OF BAGUIO

2nd year Computer Science
Student
2024-2025