LIBRARY MANAGEMENT SYSTEM

University of Kelaniya







Problem

Step 1 - Idendify



Requirements

Getting into UI design



UI components

Flowcharts

Alternative UIs

Step 3

Increase design process with Agile approach and Evaluating our design



Target Audience

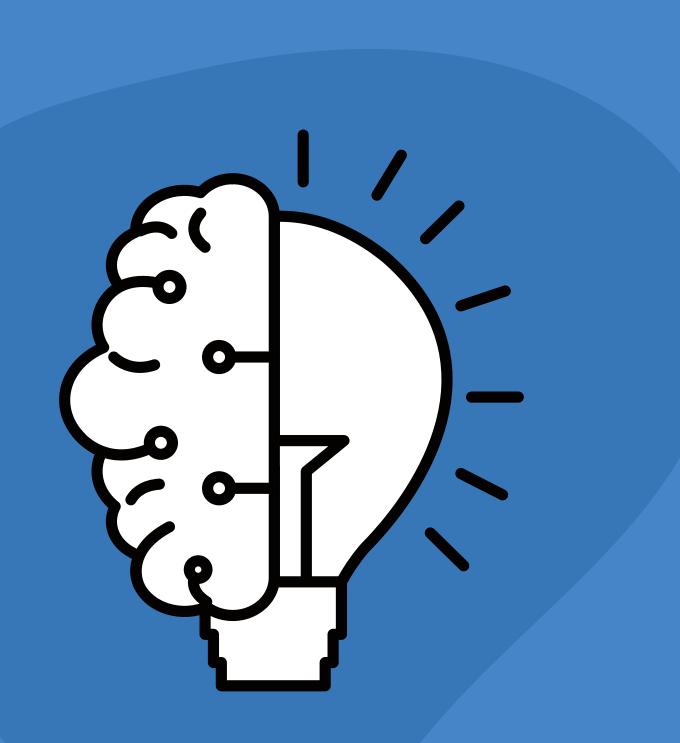




Who are the benifit holders?

- Students
- Staff

Requirements



User Requirements (Functional Requirements)

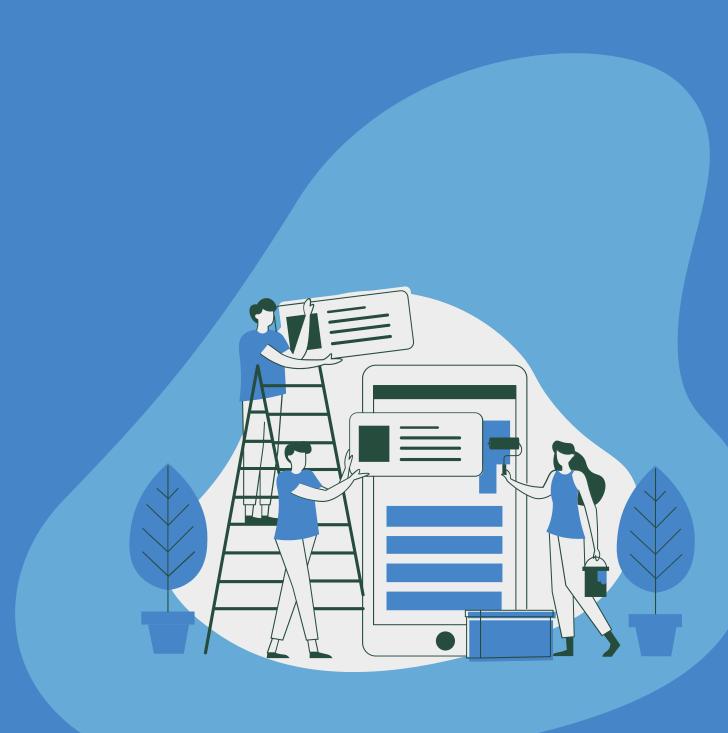
Administration

System Requirements

Non- Functional Requirements

System features

- Issue a book
- Return a Book
- Add new category



What they want?

Requerements gathering method

- Surveys
- Document Analysis
- Interface Analysis



UI Design Principles



- Consistency
- Minimal Suprise
- User Guidance
- Recoverability
- Strong visual hierarchy

UI Design Values

Ethical

Purposeful

Pragmatic

Elegant

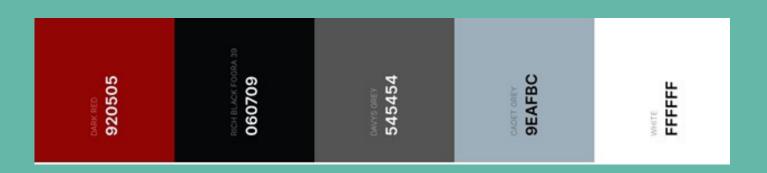
How we used Design values for improving our system?

Ul Components

They increase the usability of our system....



Color pallets



Icons and logos







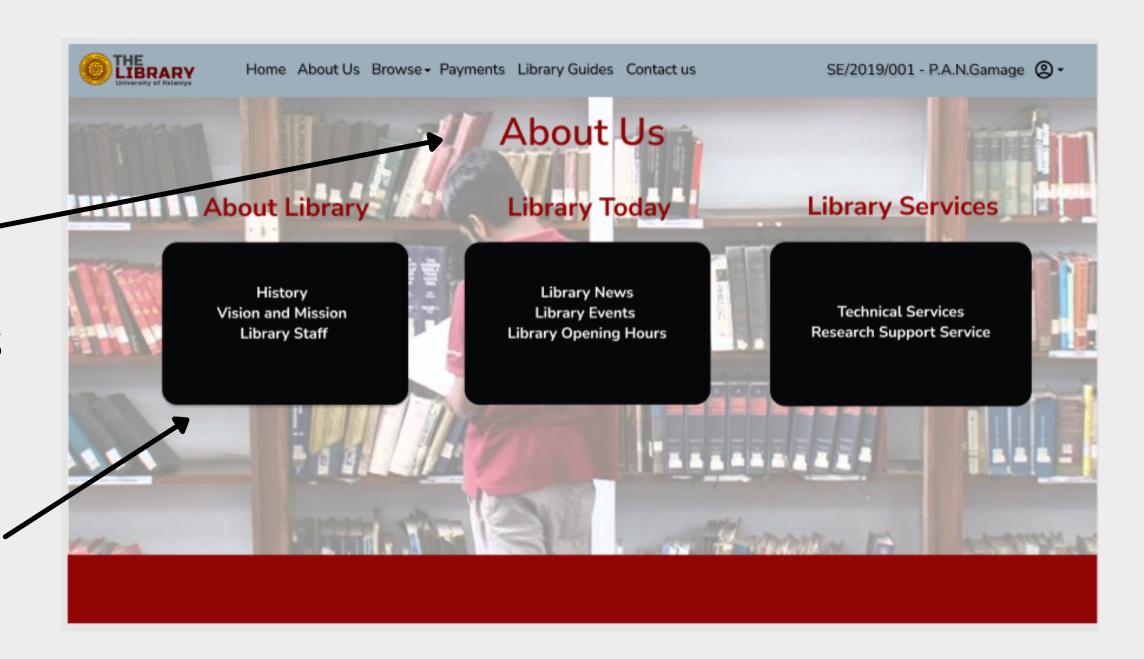




Fonts

For Headings
"Roboto Condensed", Open-sans

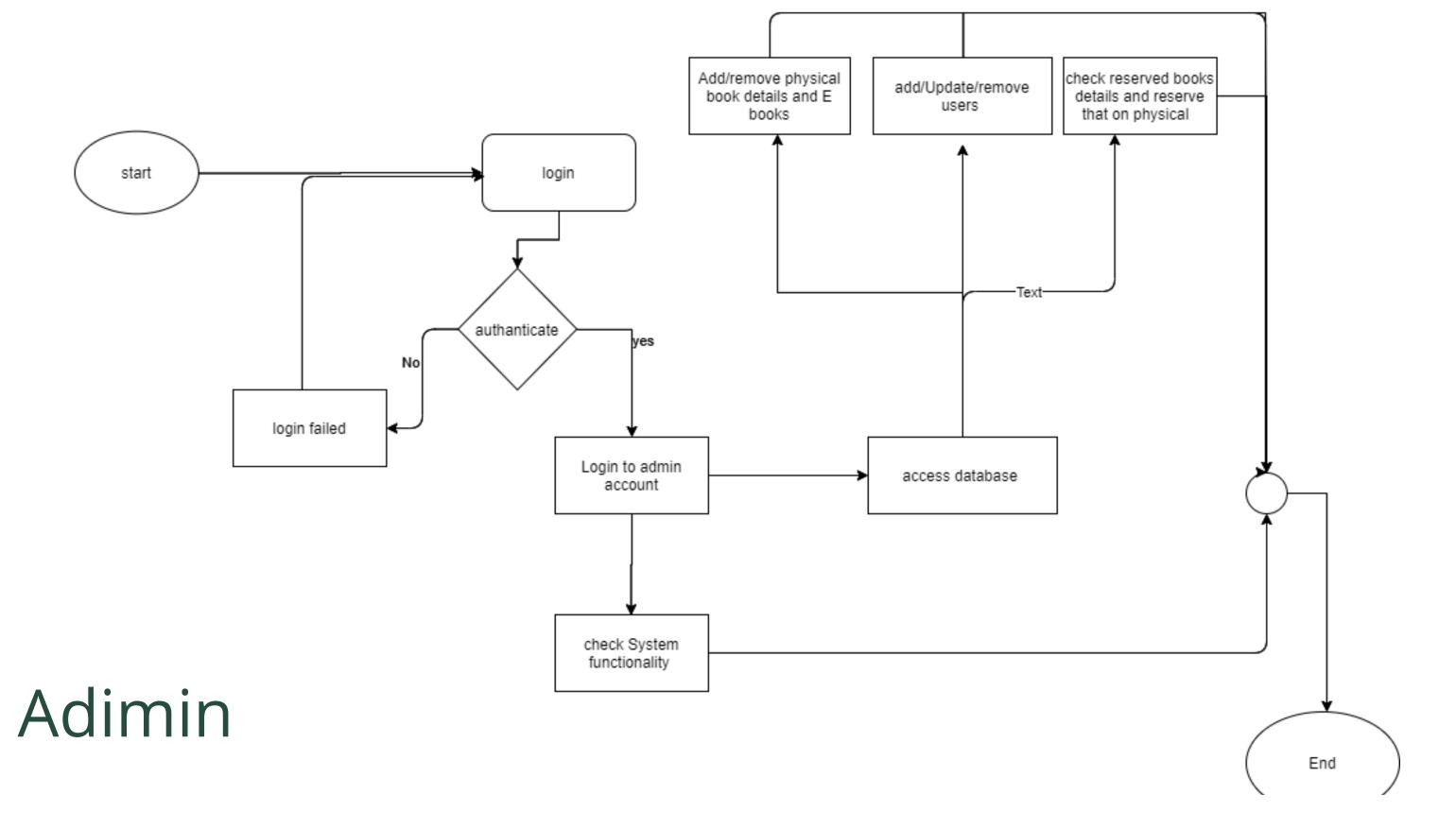
For Contents
"Open sans", sans-serif

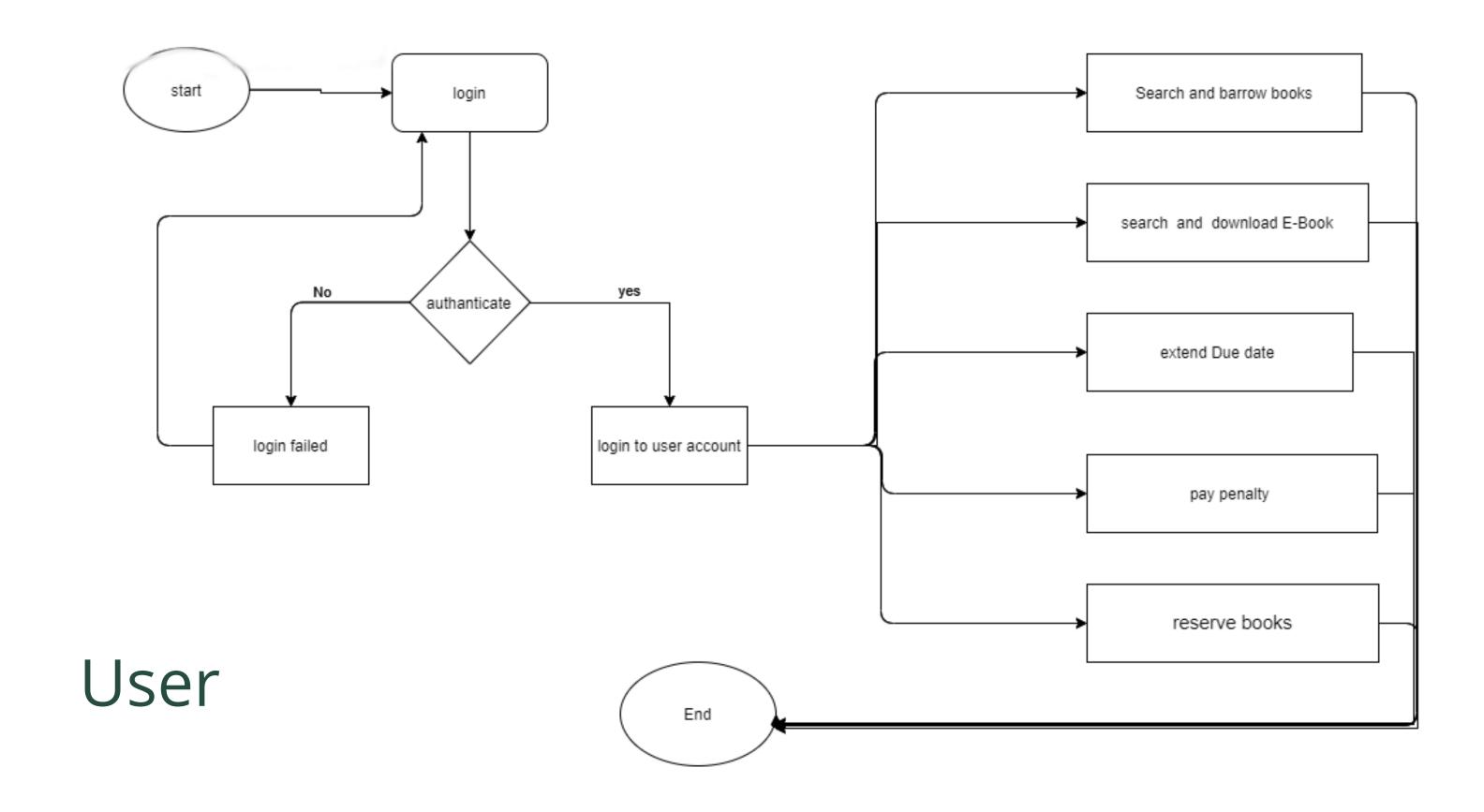


UI design patterns

- Primary Actions
- Hover Controls

User-Flows





Human cognition

Multilingual and multi-user support

It is userfriendly

Web based OPAC (Online Public Access Catalog) system Easy to maintain the database

Simple, clear search interface for all users



Jumping into real solution

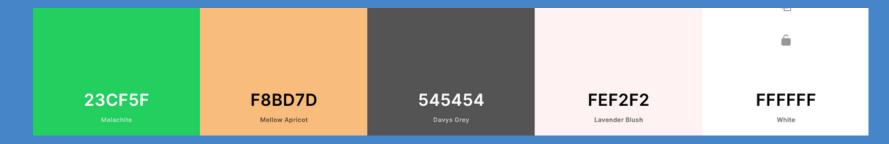


"Welcome to E -Library"

Alternate UIs







Button

Button

Our Agile Approach

- Team-member interactions
- Customer feedbacks
- deep analysis of every part
- The project was completed in increments, allowing our team members to respond to changes as part of the process.



ENSURING VALIDITY

 appropriate methods of measurement and sampling

ENSURING RELIABILITY

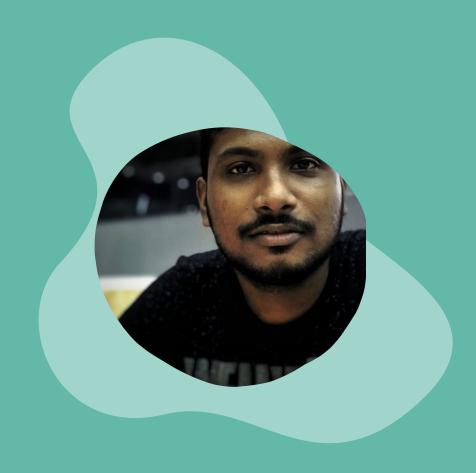
- Applying our methods consistently
- Standardizing the conditions

Our evaluation criteria

Thank You!

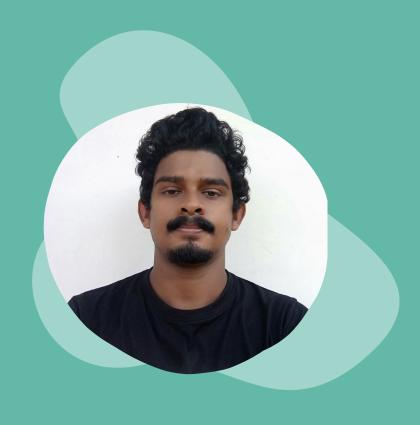
Our Team











Abdullah Ramees SE/2018/001

Nipuni Perera SE/2018/031

Mahela Dissanayake SE/2018/013

Sachin Tharaka SE/2018/042

Discussion



