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75% - C Fall 2023

3131
Applied Algorithms

75% - C Fall 2023

3134
Human Computer Interaction

75% - C Fall 2023

5b94
Software Engineering I

Upcoming
Events



Forming Teams for A2

Course: CSCI-B551

Date: Oct 25 at 6:30pm



Project: Week12

Course: CSCI-P465-565

Date: Oct 24 at 8:30pm



R&N Reasoning Under
Uncertainty

Course: CSCI-B551

Date: Oct 24 at 2:30pm



Forming Teams for A2

Course: CSCI-B551

Date: Oct 25 at 6:30pm



Calendar

! Due Soon =

Today Back Next

March 2024

Month Week Day Agenda

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	01	02
03	04	05	06	07	08	09

Quiz1



Applied Algorithms

Mar 10, 2024 | 10 points

Today			Back	Next	March 2024					Month	Week	Day	Agenda
Sun	Mon	Tue	Wed	Thu	Fri	Sat							
	25	26	27	28	29	01	02						
	03	04	05	06	07	08	09						
	10	11	12	13	14	15	16						
	17	18	19	20	21	22	23						
	24	25	26	27	28	29	30						
	31	01	02	03	04	05	06						

Legend

- Quiz
- Assignment
- Exam

Quiz1

Applied Algorithms

Mar 10, 2024 | 10 points

Midterm Exam

Applied Algorithms

Mar 10, 2024 | 20 points

Quiz2

Applied Algorithms

Mar 24, 2024 | 10 points

Final Exam

Applied Algorithms

Apr 5, 2024 | 30 points

Applied Algorithms Assignments

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Assignment1

Assignment1

Deadline: Dec 8, 2023

Points: 10 [View Assignment](#)

Assignment2

Assignment2

Deadline: Jan 6, 2024

Points: 10 [View Assignment](#)

Assignment3

Assignment3

Deadline: Jan 14, 2024

Points: 10 [View Assignment](#)

Quiz1

Quiz1

Deadline: Mar 10, 2024

Points: 10 [View Assignment](#)

Quiz2

Quiz2

Deadline: Mar 24, 2024

Points: 10 [View Assignment](#)

Midterm Exam

Midterm Exam

Deadline: Mar 10, 2024

Points: 20 [View Assignment](#)

Final Exam

Final Exam

Deadline: Apr 5, 2024

Points: 30 [View Assignment](#)

Assignment Upload

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Assignment Details:

Course Title: Applied Algorithms

Assignment Title: Assignment1

Description: Evaluate fundamental algorithms related to sorting and searching.

Due Date: Dec 8, 2023

Points: 10

Upload your assignment files here



Drag and drop some files here, or click to select files

Applied Algorithms Announcements

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Important Announcement: Assignment Deadline Extension

Dear students, the deadline for Assignment 2 has been extended to December 5th, 2023. Please make sure to submit your work on time.

Dec 4, 2023



Guest Lecture by Industry Expert

We are pleased to announce a guest lecture by Dr. Jane Doe, a leading expert in artificial intelligence. The lecture will take place on December 10th, 2023.

Dec 8, 2023



Upcoming Lab Session Cancellation

Due to unforeseen circumstances, the lab session scheduled for December 8th, 2023, is canceled. We apologize for any inconvenience this may cause.

Dec 10, 2023



Upcoming class cancelled

Hi all! The upcoming class has been cancelled on Dec 18th. I'll see you on the 20th.

Dec 15, 2023



Sample Announcement

Here is a sample announcement

Dec 15, 2023



Sample announcement 2

This is Sample announcement 2

Dec 26, 2023

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Applied Algorithms

Chat with your coursemates!



Hi Everyone! I welcome everyone to the course!

Rohan



Hi Folks!

Tanuj



This is the Applied Algorithms course!

Rohan



Excited to be part of the course! Looking forward to learning

testz

Hi Everyone! this is testStudent2



Yo boiss

testxy



Hi, I'm testStudent4. I'm new here!

Tanuj



Welcome testxy!

Tanuj



Hey buddy, welcome!

Chat with your course buddies!



Applied Algorithms Announcements

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+ MAKE FACULTY ANNOUNCEMENT

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Assignment Details:

Course Title: Applied Algorithms

Assignment Title: Assignment1

Description: Evaluate fundamental algorithms related to sorting and searching.

Due Date: Dec 8, 2023

Points: 10

Submissions:

- User ID: 657a1d2833040c632dfdfa8f

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Assignment Details:

Course Title: Applied Algorithms

Assignment Title: Assignment1

Description: Evaluate fundamental algorithms related to sorting and searching.

Due Date: Dec 8, 2023

Points: 10

Submissions:

- User ID: 657a1d2833040c632dfdfa8f

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10/29/23, 9:59 PM

Assignment_5 - Jupyter Notebook

In [1]:
1 from pyspark import SparkContext
2
3 import warnings
4 warnings.filterwarnings('ignore')

In [2]:
1 sc = SparkContext(appName='Assignment_5')
2
3 sc

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10/29/23, 9:59 PM Assignment_5 - Jupyter Notebook

```
In [1]: 1 from pyspark import SparkContext
2
3 import warnings
4 warnings.filterwarnings('ignore')

In [2]: 1 sc = SparkContext(appName='Assignment_5')
2
3 sc
23/10/29 20:46:47 WARN Utils: Your hostname, MacBook-Air-239.local resolves to a loopback address: 127.0.0.1; using 10.0.0.64 instead (on interface en0)
23/10/29 20:46:47 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setLogLevel(newLevel).
23/10/29 20:46:49 WARN NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

Out[2]: SparkContext
Spark UI \(http://10.0.0.64:4040\)
Version
v3.2.1
Master
local[*]
AppName
Assignment_5

In [3]: 1 # Task2: Python code for demonstrating the use of Accumulators and Broadcast Variables in Spark

In [4]: 1 # Assume that we have a log text where we need to find the number of logs with 'success' and 'error' keywords
2 # to get an idea on the efficiency of the task at hand.

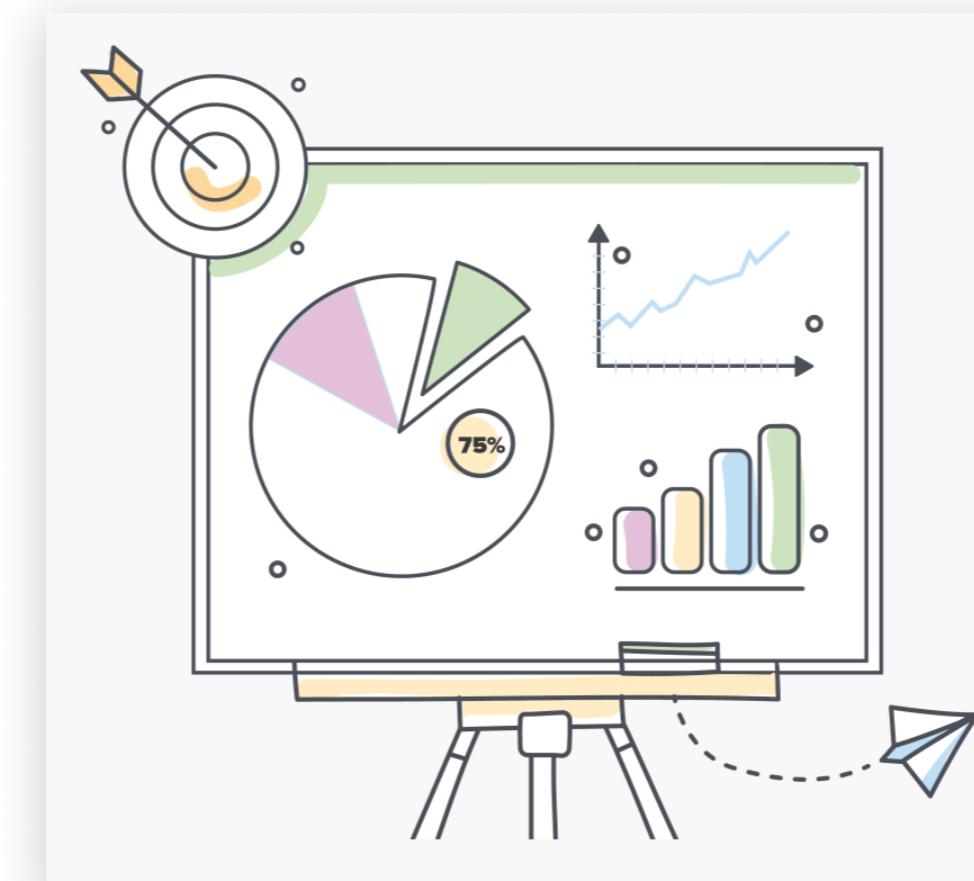
In [5]: 1 # Shared variables which will keep track of the error and success counts
2
3 error_count = sc.accumulator(0)
4
5 success_count = sc.accumulator(0)

In [7]: 1 # Imagine a webapp has the following log file
2
3 log_text = sc.parallelize([
4     '[INFO] Application started successfully.',
5     '[SUCCESS] Task completed successfully.',
6     '[INFO] Processing data...',
7     '[SUCCESS] Operation finished.',
8     '[INFO] Cleaning up resources.',
9     '[DEBUG] Debugging information.',
10    '[SUCCESS] Task completed successfully.',
11    '[INFO] Data validation in progress...',
12    '[SUCCESS] All data validated successfully.',
13    '[INFO] Generating reports...',
14    '[ERROR] An unexpected error occurred.',
15    '[INFO] Cleaning up resources.'])
```

Your Dashboard

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Start Building your Dashboard

Before we create charts for you, we will need some data to work on!

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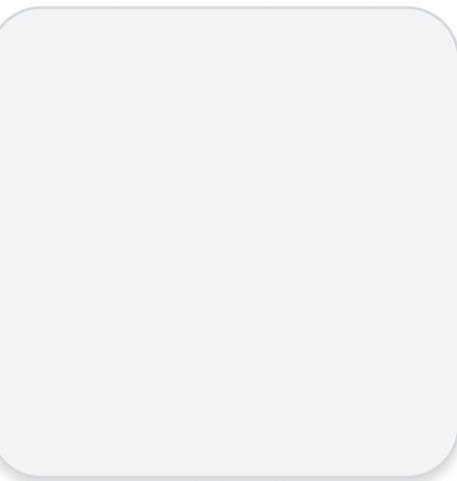
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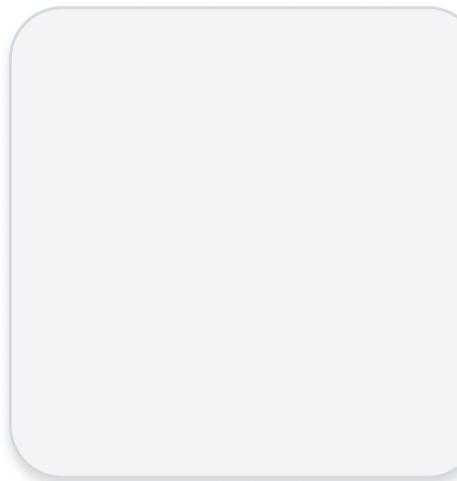
Trends



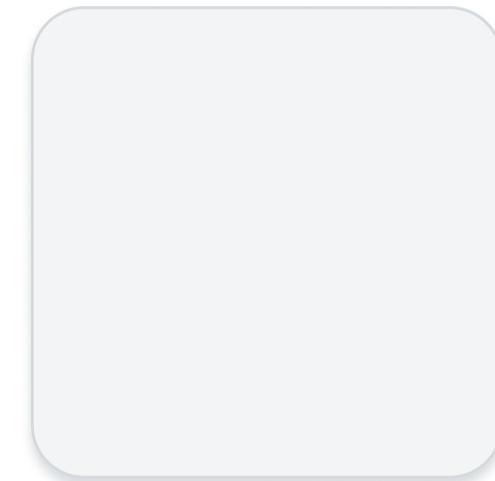
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Facebook



Amazon



Netflix



Snapchat

Popular

Twitter

Developed by

Ratings 4.4 ★

Twitter

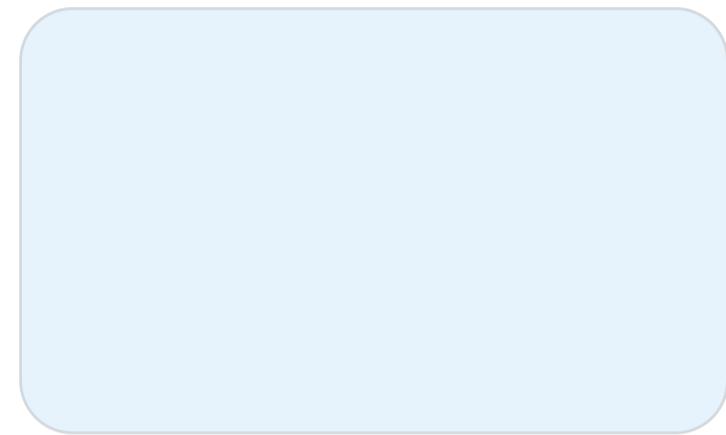
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Ratings

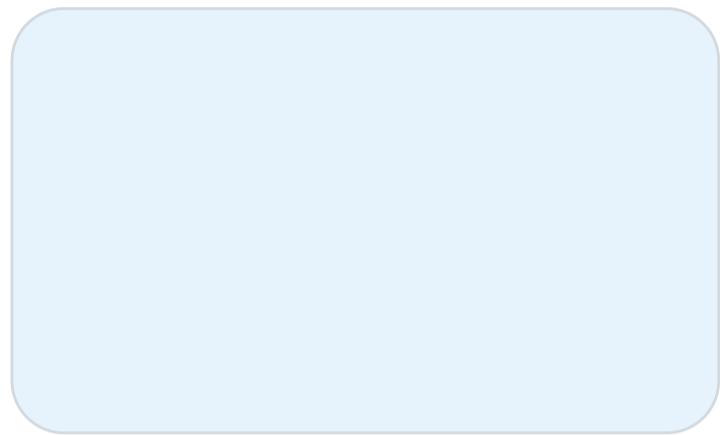
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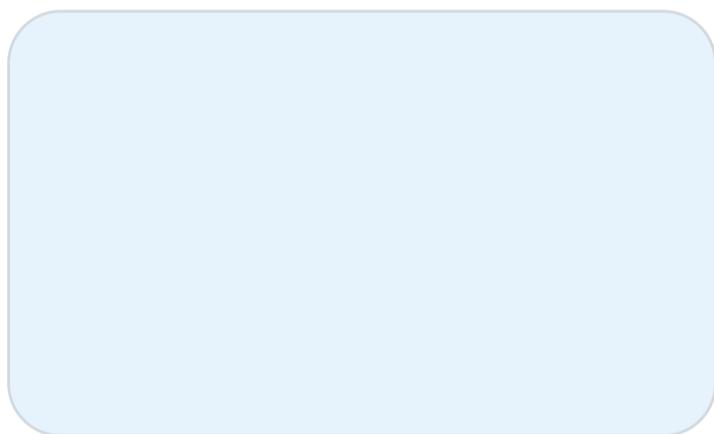
Search an app using the search bar



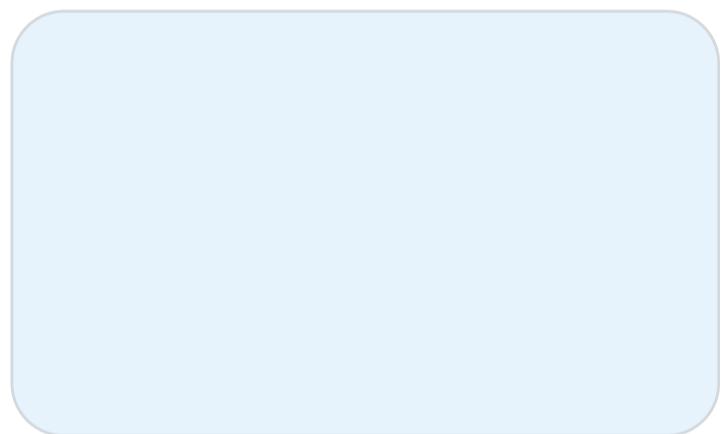
App Name



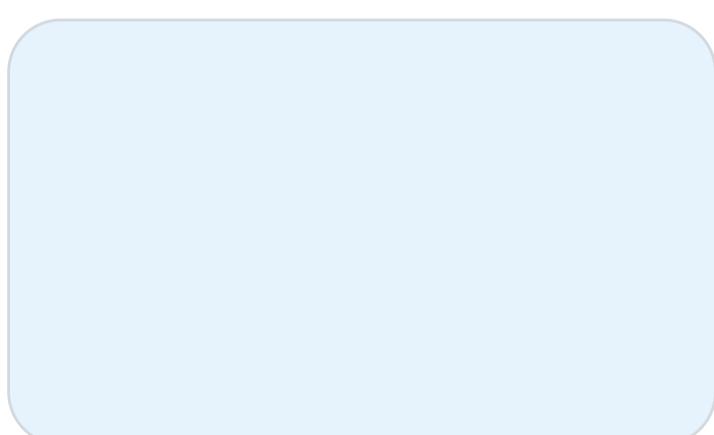
App Name



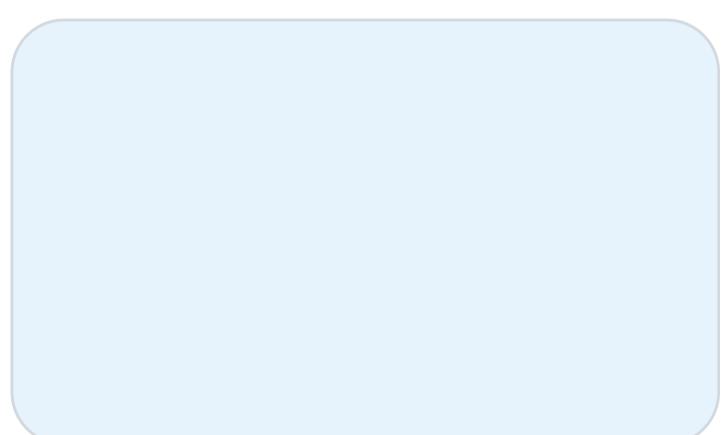
App Name



App Name



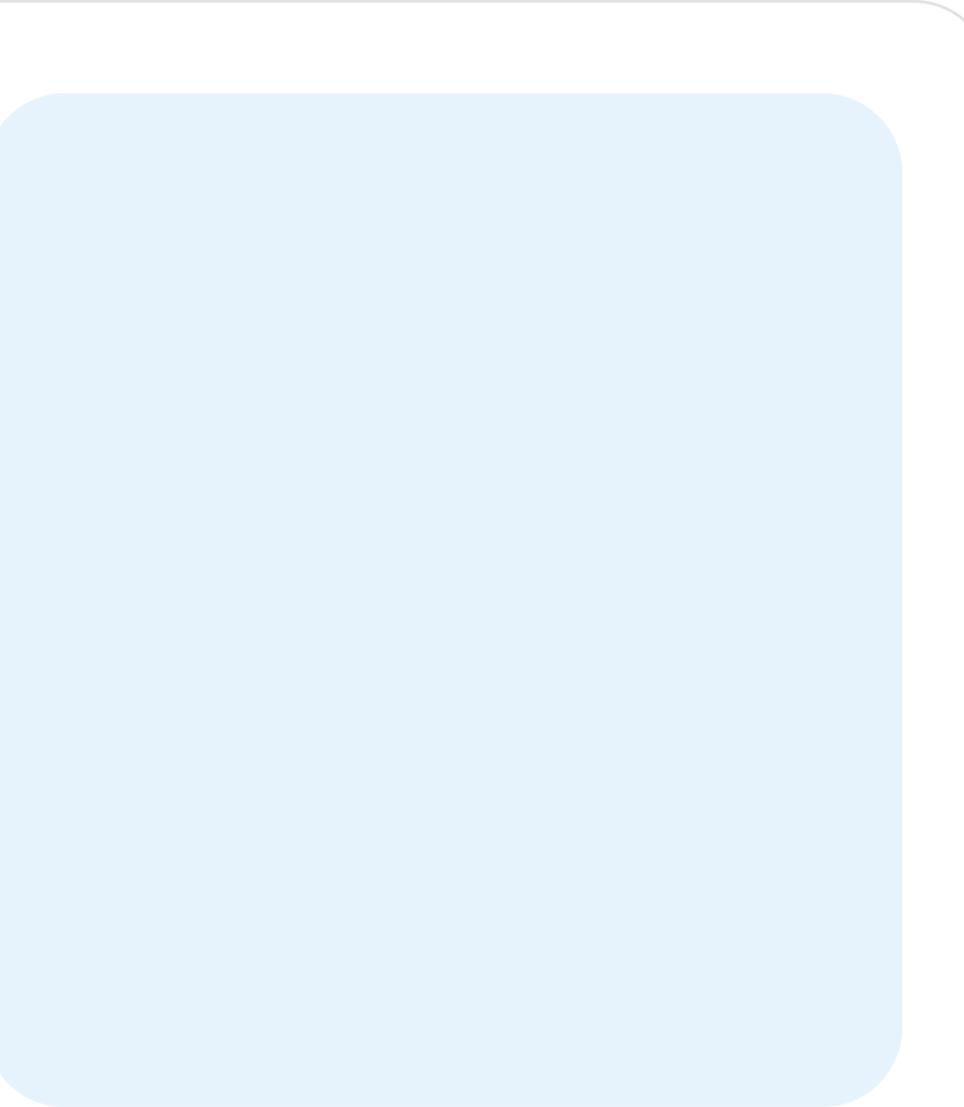
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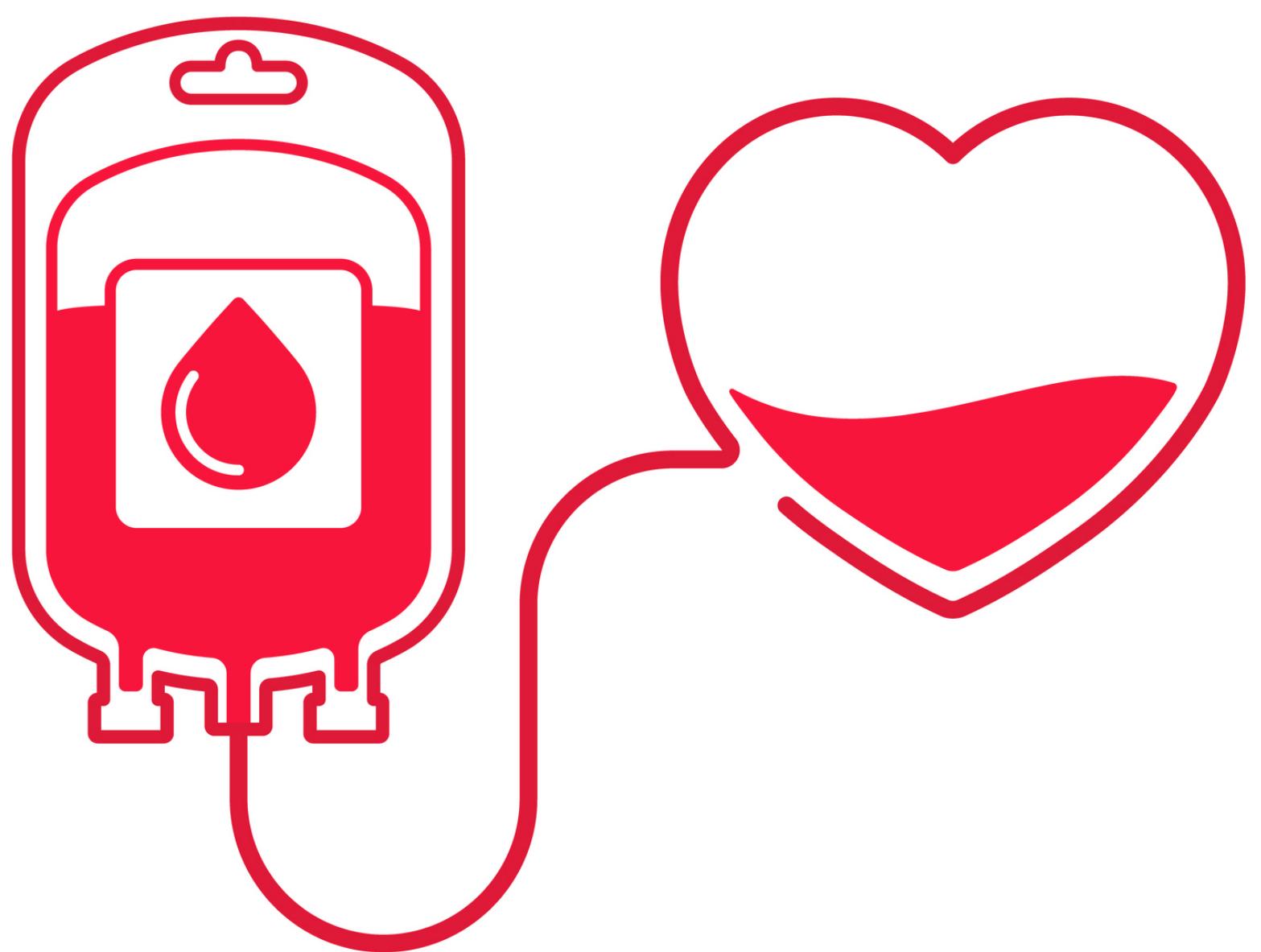
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App name

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Welcome to Robust Blood Alliance

A single drop of blood can make a huge difference.

I am a ...



Patient

Login/Signup



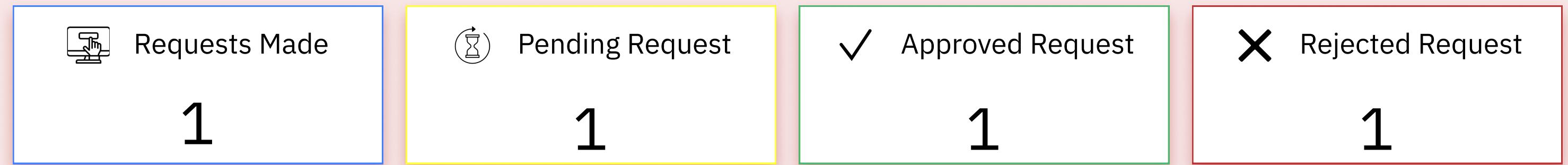
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History

Requests Made

1

Pending Request

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Approved Request

1

Rejected Request

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Patient's Name

Patient's Age

Reason

Blood Group

Unit (ml)

Request

Logout