

TITLE:

TALK AND THRIVE

Software engineering project

Team Members:

Kethu Lahari(422171)

Chappidi Pavitra Subhasri(422126)

Elitam Spandana(422143)

Project Status:

3 sprints completed

Sprint1: requirement gathering(7march-14march)

**Sprint2:application design (brainstorming solution to usecase stories)
(14march-21march)**

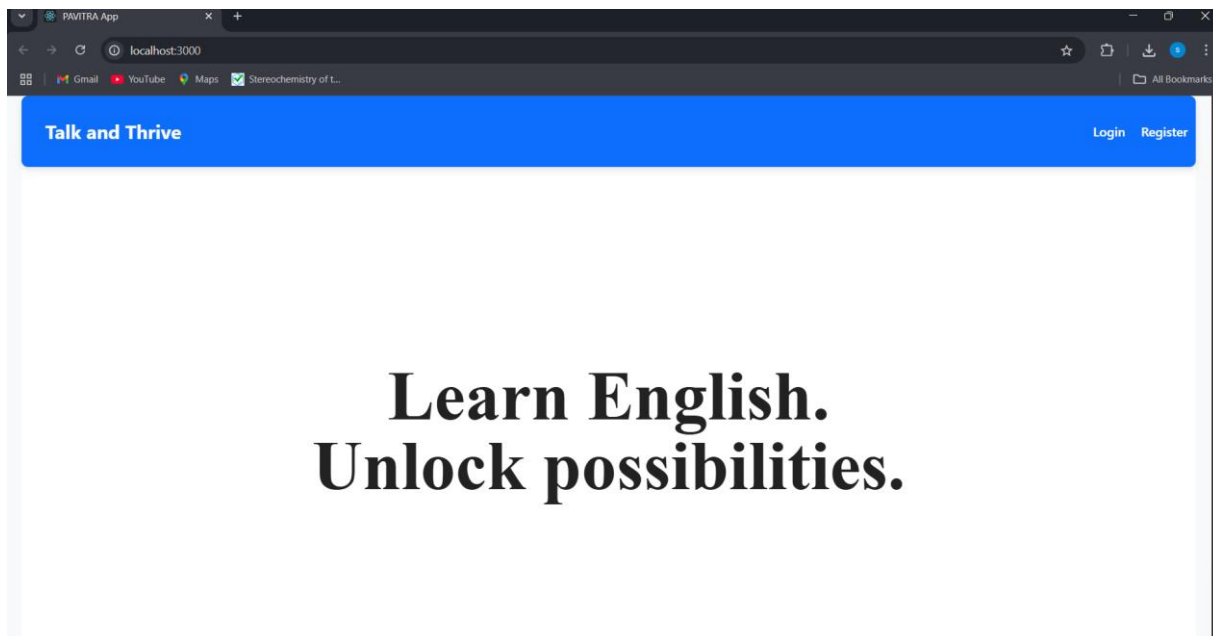
Sprint3: feedback and testing (21march-28march)

Sprint4: Evaluation(To be done by the course instructor)(to be done)

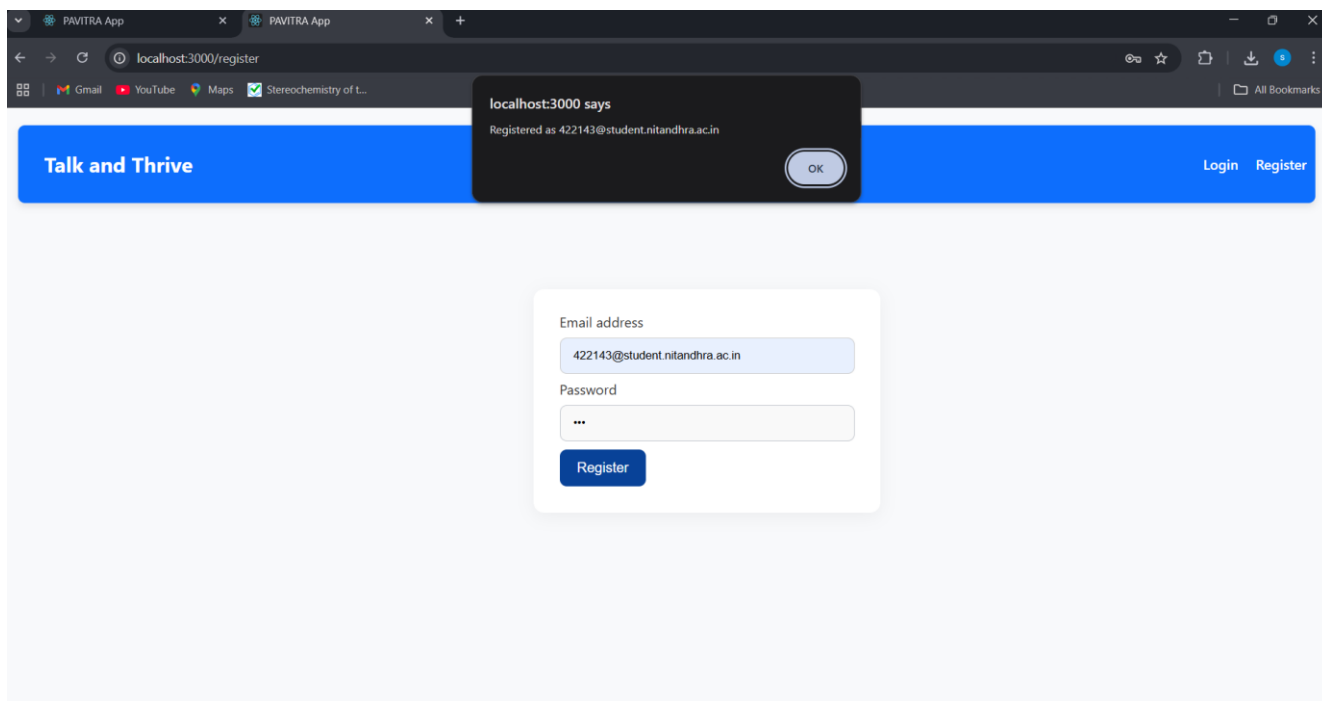
Github link for project: <https://github.com/422171/talknthrive>

Screenshots of website are attached below here :

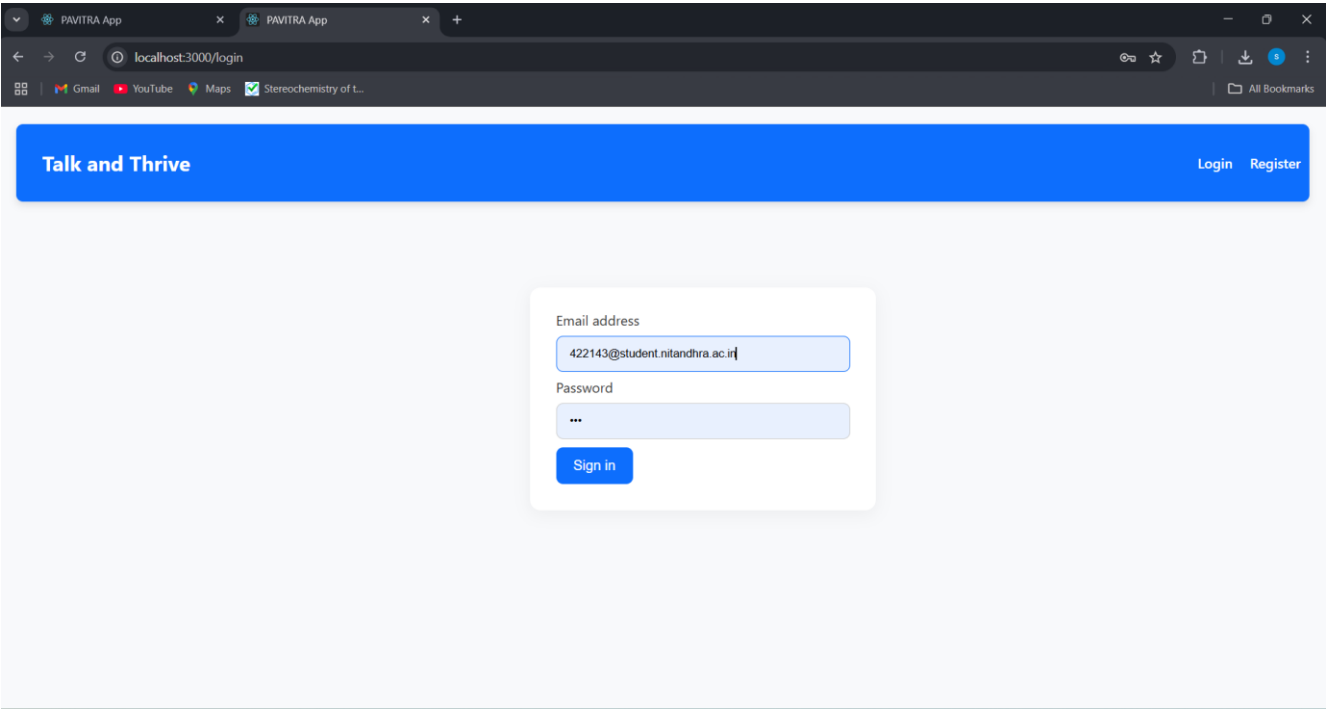
INDEX PAGE



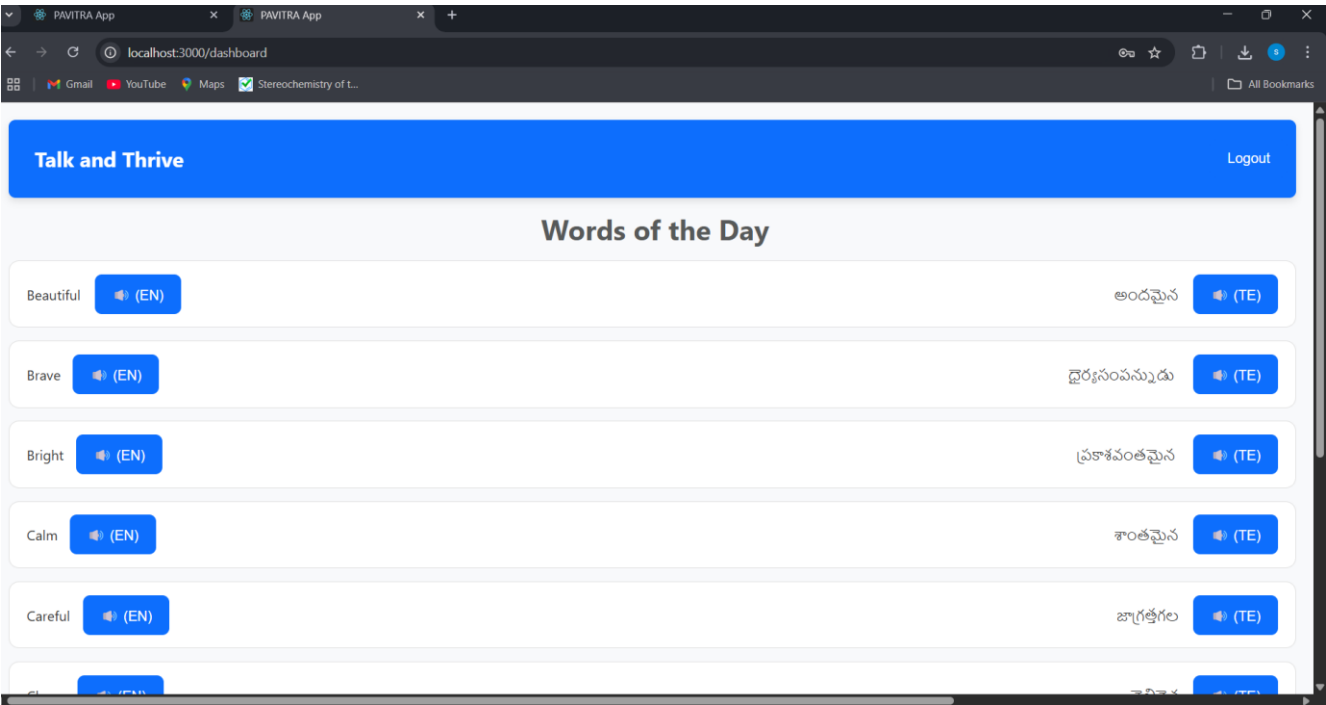
REGISTER PAGE



LOGIN PAGE



DASHBOARD PAGE



DATABASE

```
ENG_WORDS> db.users.find().pretty()
[
  {
    _id: ObjectId('6803d725a82d196286b71236'),
    email: '422143@tusemt.nitandhra.ac.in',
    password: '123'
  },
  {
    _id: ObjectId('6803d84ca82d196286b7123c'),
    email: '422171@tusemt.nitandhra.ac.in',
    password: '123'
  },
  {
    _id: ObjectId('6803d855a82d196286b7123d'),
    email: '422198@tusemt.nitandhra.ac.in',
    password: '1'
  },
  {
    _id: ObjectId('6803d860a82d196286b7123e'),
    email: '425677@tusemt.nitandhra.ac.in',
    password: '1'
  }
]
ENG_WORDS> |
```

JIRA SCRENNSHOTS

SPRINT-1

Projects / Talk and Thrive

List

Give feedback

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SECSL

ShareFilterGroup by: SprintFormatChartMore

<input type="checkbox"/>	Type	# Key	Summary	Status	Sprint	Assignee	Due	
<input type="checkbox"/>	▼	SCRUM Sprint 1	+					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-3	Requirement gathering from stakeholders	DONE	SCRUM Sprint 1	L Lahari		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-4	Identify and interview end users(women employed in urban ...	DONE	SCRUM Sprint 1	CS Chappidi Pavitra Sub...		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-5	Conduct survey for diverse inputs on spoken English challen...	DONE	SCRUM Sprint 1	SE spandana elitam		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-6	Create user scenarios/storyboards for grievance flow	DONE	SCRUM Sprint 1	CS Chappidi Pavitra Sub...		
<input type="checkbox"/>	▼	SCRUM Sprint 2	+					

SPRINT-2 AND SPRINT 3

Projects / Talk and Thrive

List

Give feedback






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<input type="checkbox"/>	Type	# Key	Summary	Status	Sprint	Assignee	Due date	Labels	
<input type="checkbox"/>	▼	SCRUM Sprint 2	+						
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-7	Create multiple UI design alternatives for registration/login a...	DONE	SCRUM Sprint 2	L Lahari			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-8	Focus on visual and audio-friendly UI for low-literacy users	DONE	SCRUM Sprint 2	SE spandana elitam			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-9	Compare options for audio integration: recorded audio vs. te...	DONE	SCRUM Sprint 2	CS Chappidi Pavitra Sub...			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-10	Collect feedback on design from a small group of end-users ...	DONE	SCRUM Sprint 2	CS Chappidi Pavitra Sub...			
<input type="checkbox"/>	▼	SCRUM Sprint 3	+						
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-11	Implement basic user registration and login functionality wit...	DONE	SCRUM Sprint 3	SE spandana elitam			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-12	Develop "Words of the Day" module showing 10 random En...	DONE	SCRUM Sprint 3	CS Chappidi Pavitra Sub...			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-13	Integrate pronunciation feature with audio in both English a...	DONE	SCRUM Sprint 3	CS Chappidi Pavitra Sub...			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-14	Built backend services to handle word storage, user data, an...	DONE	SCRUM Sprint 3	L Lahari			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-15	Create a working frontend with basic navigation and clean UI.	DONE	SCRUM Sprint 3	CS Chappidi Pavitra Sub...			

SPRINT-4

<input type="checkbox"/>	▼	SCRUM Sprint 4	+					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-16	Conduct user testing sessions with real rural women to gathe...	DONE	SCRUM Sprint 4		spandana elitam	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-17	Evaluate how well users could register, access daily words, an...	DONE	SCRUM Sprint 4		Lahari	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-18	Refine UI and audio playback based on feedback	DONE	SCRUM Sprint 4		Chappidi Pavitra Sub...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-19	Present final prototype to stakeholders and collected final in...	DONE	SCRUM Sprint 4		Chappidi Pavitra Sub...	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	SCRUM-20	Compile suggestions for next steps like adding gamification, ...	DONE	SCRUM Sprint 4		Lahari	
<input type="checkbox"/>		Backlog	+					

Quickstart

AUTOMATION CODE

```
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC
from selenium.common.exceptions import TimeoutException, NoSuchElementException,
ElementNotInteractableException
import time

driver = webdriver.Chrome()
wait = WebDriverWait(driver, 10)
BASE_URL = "http://localhost:3000"

def open_home():
    print("[INFO] Opening Home Page")
    driver.get(f"{BASE_URL}/")
    wait.until(EC.presence_of_element_located((By.TAG_NAME, "h1")))

def register_user(name, email):
    print("[INFO] Registering user")
    driver.get(f"{BASE_URL}/register")

    try:
        name_input = wait.until(EC.presence_of_element_located((By.ID, "name")))
        email_input = wait.until(EC.presence_of_element_located((By.ID, "email")))

        name_input.clear()
        name_input.send_keys(name)

        email_input.clear()
        email_input.send_keys(email)

        register_button = wait.until(EC.element_to_be_clickable((By.TAG_NAME,
"button"))))
        register_button.click()

    except (TimeoutException, NoSuchElementException,
ElementNotInteractableException) as e:
        print("[ERROR] Failed to register:", str(e))

def login_user(email):
    print("[INFO] Logging in user")
    driver.get(f"{BASE_URL}/login")

    try:
        email_input = wait.until(EC.presence_of_element_located((By.ID, "email")))
        email_input.clear()
        email_input.send_keys(email)

        login_button = wait.until(EC.element_to_be_clickable((By.TAG_NAME,
"button"))))
```



```

        login_button.click()
    except Exception as e:
        print("[ERROR] Login failed:", str(e))

def test_dashboard_buttons():
    print("[INFO] Testing Dashboard buttons")
    driver.get(f"{BASE_URL}/dashboard")

    try:
        en_button = wait.until(EC.element_to_be_clickable((By.XPATH,
            "//button[contains(text(), '(EN)')]")))
        en_button.click()
        time.sleep(2)

        te_button = wait.until(EC.element_to_be_clickable((By.XPATH,
            "//button[contains(text(), '(TE)')]")))
        te_button.click()
        time.sleep(5)
    except Exception as e:
        print("[ERROR] While clicking buttons:", str(e))

def run_test():
    try:
        open_home()
        register_user("Test User", "testuser@example.com")
        login_user("testuser@example.com")
        test_dashboard_buttons()
        print("[SUCCESS] Automation completed successfully.")
    except Exception as e:
        print("[FATAL ERROR]", e)
    finally:
        driver.quit()

# Start test
run_test()

```

Final Contribution Table:

Team Member Name	Total Contribution in project
K.LAHARI	33.33
CH.PAVITRA SUBHASRI	33.33
E.SPANDANA	33.33