**Code**

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import java.util.ArrayList;

import java.util.List;

public class RecentlyPlayedStore {

private int capacity;

private List<String> songs;

public RecentlyPlayedStore(int capacity) {

this.capacity = capacity;

this.songs = new ArrayList<>();

}

public void playSong(String song) {

if (songs.size() >= capacity) {

songs.remove(0);

}

songs.add(song);

}

public List<String> getRecentlyPlayed() {

return songs;

}

public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver", "path/to/chromedriver.exe");

WebDriver driver = new ChromeDriver();

RecentlyPlayedStore store = new RecentlyPlayedStore(3);

// Play songs

store.playSong("S1");

store.playSong("S2");

store.playSong("S3");

// Fetch recently played songs

List<String> recentlyPlayed = store.getRecentlyPlayed();

System.out.println("Recently Played Songs: " + recentlyPlayed);

// Play additional songs

store.playSong("S4");

store.playSong("S2");

store.playSong("S1");

// Fetch recently played songs

recentlyPlayed = store.getRecentlyPlayed();

System.out.println("Recently Played Songs: " + recentlyPlayed);

// Use Selenium to validate the logic

driver.get("http://www.example.com");

// Play songs and validate recently played songs

for (String song : recentlyPlayed) {

WebElement songElement = driver.findElement(By.xpath("//div[@class='song' and text()='" + song + "']"));

songElement.click();

}

List<WebElement> recentlyPlayedElements = driver.findElements(By.className("recently-played-song"));

List<String> recentlyPlayedSongs = new ArrayList<>();

for (WebElement element : recentlyPlayedElements) {

recentlyPlayedSongs.add(element.getText());

}

System.out.println("Recently Played Songs (Selenium): " + recentlyPlayedSongs);

driver.quit();

}

}