Alpha Presentation
Smart Automatic Video Creation

The Capstone Experience
Team TechSmith

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Project Overview

- Automatically generate videos based on scripts
- Users can log in to create/manage projects
- Users can review and edit generated videos
- Handle multiple languages as input for video generation
System Architecture

- **jQuery**: Web client library
- **Bootstrap**: Front-end framework
- **C#**: Web server language
- **.NET Core**: Framework for development
- **Azure**: Cloud platform
- **External APIs**: Integration with external services
- **Video Render Engine**: Tool for rendering videos
- **SQL**: Database management system
- **S3**: Object storage

The diagram illustrates the integration of these technologies in a system architecture.
Preview of Text Summarization

Create New Project

The Atlantic hurricane season typically begins to quiet down the deeper we head into October, but a few areas in the Atlantic Basin are now being monitored for development in the week ahead—a reminder that the hurricane season officially runs through Nov. 30. A vigorous tropical wave, accompanied by a well-defined low-pressure system, has emerged over the far eastern Atlantic Ocean after exiting the western coast of Africa on Sunday. Showers and thunderstorms are showing signs of organization, and the National Hurricane Center (NHC) said environmental conditions are conducive for a tropical depression to form within the next few days as the disturbance moves northwestward toward the Cabo Verde Islands.

This system has been dubbed Invest 94L by the NHC. Invest is a naming convention used by meteorologists to identify areas that

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A vigorous tropical wave, accompanied by a well-defined low-pressure system, has emerged over the far eastern Atlantic Ocean after exiting the western coast of Africa on Sunday.

A third area is now being monitored for development in the central tropical Atlantic Ocean, where a tropical wave is producing disorganized showers and thunderstorms and gusty winds.

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Wait for Video Generation

Summary

Showers and thunderstorms are showing signs of organization, and the National Hurricane Center (NHC) said environmental conditions are conducive for a tropical depression to form within the next few days as the disturbance moves northwesterly toward the Cabo Verde Islands.

Key Words

tropical depression, possible tropical development, vigorous tropical wave, central tropical Atlantic Ocean, thunderstorms, eastern Atlantic Ocean, disorganized showers, typical areas, western Caribbean Sea, western coast of Africa, NHC, environmental conditions, National Hurricane Center, signs of organization, gusty winds,
Review Generated Video

Summary

Showers and thunderstorms are showing signs of organization, and the National Hurricane Center (NHC) said environmental conditions are conducive for a tropical depression to form within the next few days as the disturbance moves northwestward toward the Cabo Verde Islands.

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- western coast of Africa
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- environmental conditions
- National Hurricane Center
- signs of organization
- gusty winds
Manage Projects

My Projects

- **New Project**

- **World Record Set at Chicago Marathon**
  - Edit
  - Delete

- **Monitoring Tropical Development**
  - Edit
  - Delete

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What’s left to do?

• Add functionality to handle the processing of multiple videos at the same time
• Allow users to choose what assets to use for video creation
• Improve website stability and security
Questions?