

MICHIGAN STATE

U N I V E R S I T Y

Beta Presentation

Smart Automatic Video Creation

The Capstone Experience

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*From Students...
...to Professionals*

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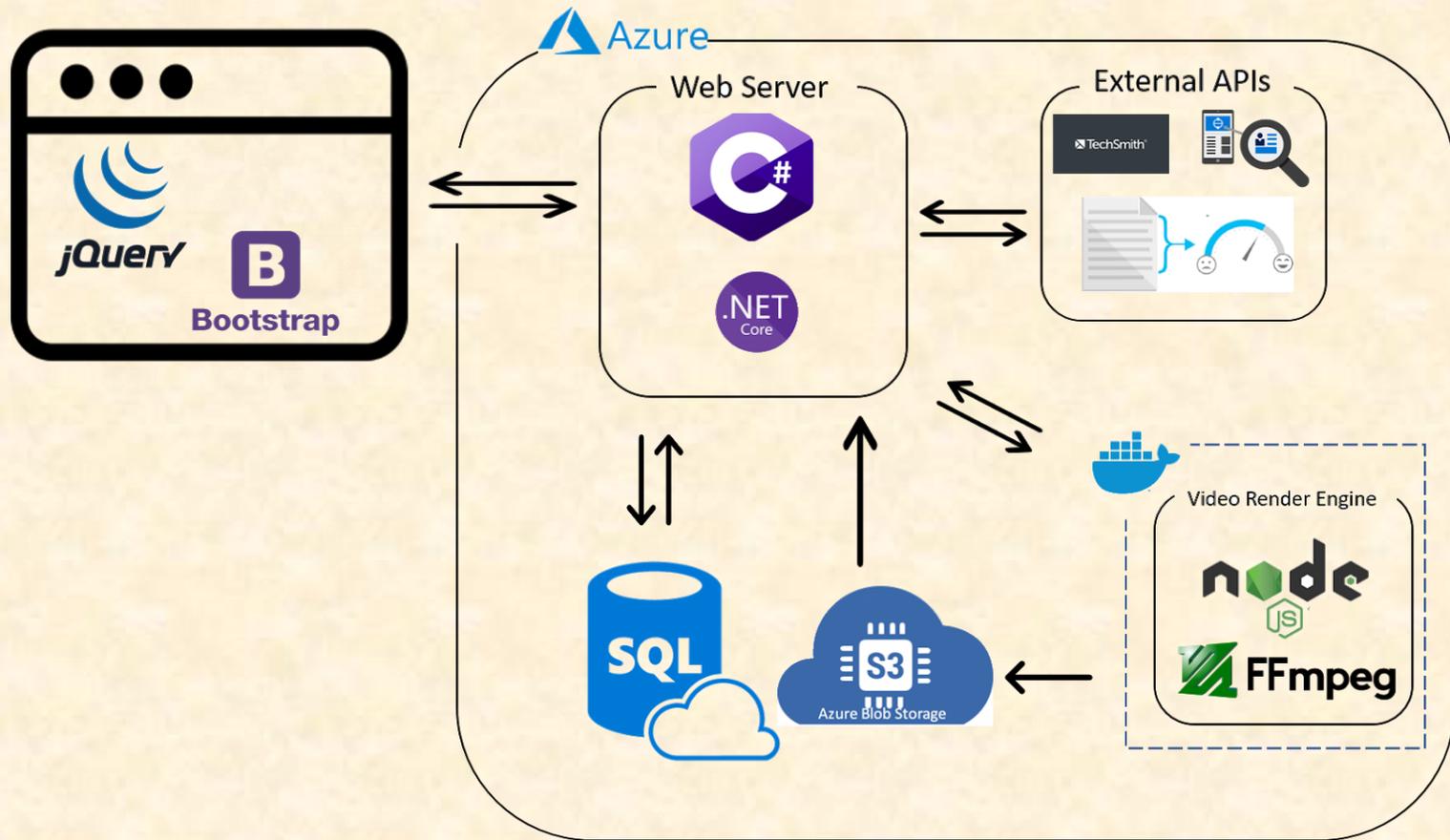
Fall 2019

Project Overview

- Automatically generate videos based on scripts
- Users can log in to create/manage projects
- Users can review and edit generated videos
- Allows the user to translate the text to different languages



System Architecture



Project Creation

Browser tabs: Create Project | Smart Automatic

Address bar: Not secure | smartvideocreationbeta.azurewebsites.net/Home/CreateProject

Header: TechSmith® Smart Automatic Video Creation Hello rennerp1@msu.edu! My Projects Logout

Create Project

TechSmith provides software that empowers people to communicate more effectively by easily creating visual content such as images and video. Their flagship products, [Snagit](#) and [Camtasia](#), are used by more than 30 million people worldwide.

Creating videos is a difficult, lengthy, and potentially expensive process. Many content creators are looking for an efficient way to automate the video creation pipeline.

Our Smart Automatic Video Creation platform automatically generates high quality, unique videos based on a single text input.

In particular, our system takes any script or article as input and automatically creates video content composed of relevant images,

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Our Smart Automatic Video Creation platform automatically generates high quality, unique videos based on a single text input.

In particular, our system takes any script or article as input and automatically creates video content composed of relevant images, videos/animations, sounds, and text annotations.

After the visual components of the video are selected, the text is again analyzed for sentiment.

Smart Automatic Video C Get Summary Create Project



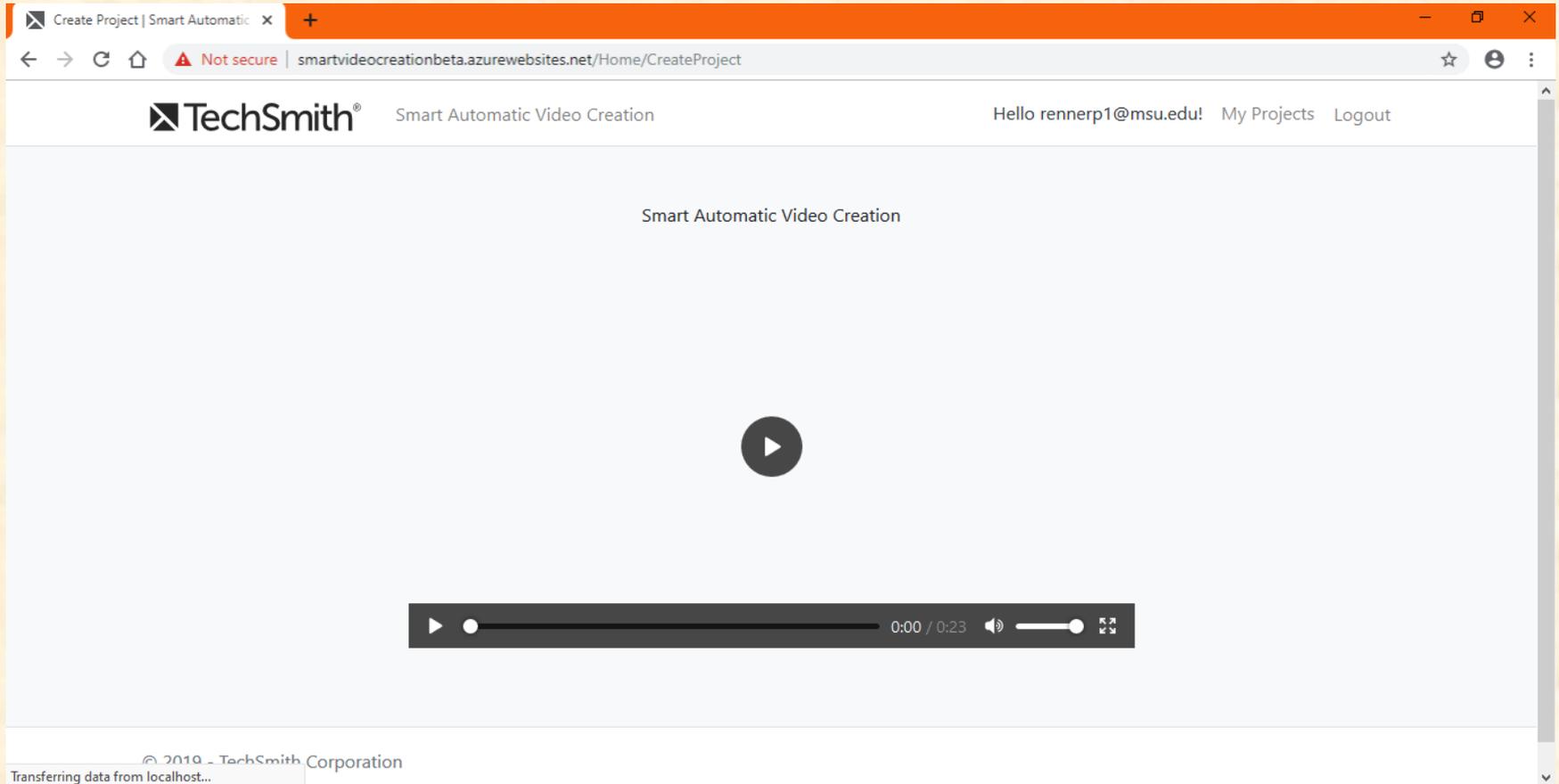
Keyword/Asset Selection

The screenshot shows a web browser window with the URL `smartvideocreationbeta.azurewebsites.net/Home/Review/104`. The page header includes the TechSmith logo, the text "Smart Automatic Video Creation", and a user greeting "Hello rennerp1@msu.edu!". The main heading is "Review Smart Automatic Video Creation". Below this, there is a "Translation" section with a dropdown menu set to "English". The "Slides" section contains three text blocks with highlighted keywords and associated action buttons:

- Slide 1: "TechSmith provides software that empowers people to communicate more effectively by easily creating visual content such as images and video." with "Search Assets" and "Saved" buttons.
- Slide 2: "Our Smart Automatic Video Creation platform automatically generates high quality, unique videos based on a single text input." with "Search Assets" and "Save Slide" buttons.
- Slide 3: "In particular, our system takes any script or article as input and automatically creates video content composed of relevant images, videos/animations, sounds, and text annotations." with "Search Assets" and "Save Slide" buttons.



Video Display



Manage Projects

The screenshot shows a web browser window with the following elements:

- Browser Tab:** "Manage Projects | Smart Autom..."
- Address Bar:** "Not secure | smartvideocreationbeta.azurewebsites.net/Home/ProjectsManage"
- Page Header:** "TechSmith® Smart Automatic Video Creation" on the left, and "Hello rennerp1@msu.edu! My Projects Logout" on the right.
- Main Content:**
 - A "New Project" button with a "+" icon.
 - A project card for "Capstone Experience" with "Delete" and "Edit" buttons.
 - A project card for "Smart Automatic Video Creation" with "Delete" and "Edit" buttons.
- Footer:** "© 2019 - TechSmith Corporation"



What's left to do?

- Allow the user to select between automatic and manual video creation
- Display currently used assets and keywords in the project edit page
- Provide functionality to support multiple videos being created at the same time



Questions?

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