

MICHIGAN STATE

UNIVERSITY

Project Plan

Snagit and Camtasia Output Extensibility

The Capstone Experience

Team TechSmith

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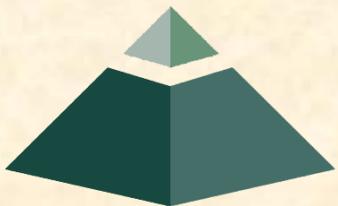
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*From Students...
...to Professionals*

Functional Specifications

- TechSmith Video Review Output
 - Video and image output to TechSmith Video Review
 - Adds reviewer, review-by date, and prompts
- Wistia Output
 - Video output to Wistia
- Imgur Output
 - Image and animation output to Imgur
 - Supports outputting markdown links for media
- Test Harness
 - Dynamically loads TechSmith Extensibility Framework (TEF) plugins for the purposes of testing and debugging



Design Specifications

- TechSmith Video Review Output
 - Output window has review prompts, review-by date
 - Consistent with other WPF based output UIs
- Wistia Output
 - Output provides appropriate prompts for title, file
 - Alpha will prompt user for project information
- Imgur Output
 - Output allows user to select from a variety of markdown formats to copy to clipboard
 - Allow users to define post details like post title and description
- Test Harness
 - Simplistic design
 - Dynamically loads and presents outputs to tester



Screen Mockup: Output Mockups

Imgur Output Options

Imgur Account
Logged in as:
example@gmail.com
[Switch Accounts...](#)

Imgur Post
Title:
Description:

Clipboard
 Image link
 Direct link
 Markdown link
 HTML embed code
 BBCode
 BBCode (linked)

[Upload](#) [Cancel](#)

TechSmith Video Review Output Options

TechSmith Account
Signed in as:
example@gmail.com
[Learn more about TechSmith Accounts.](#)

TechSmith Video Review
Title:
Review-by Date:
Reviewer Prompt:

[Upload](#) [Cancel](#)

Wistia Output Options

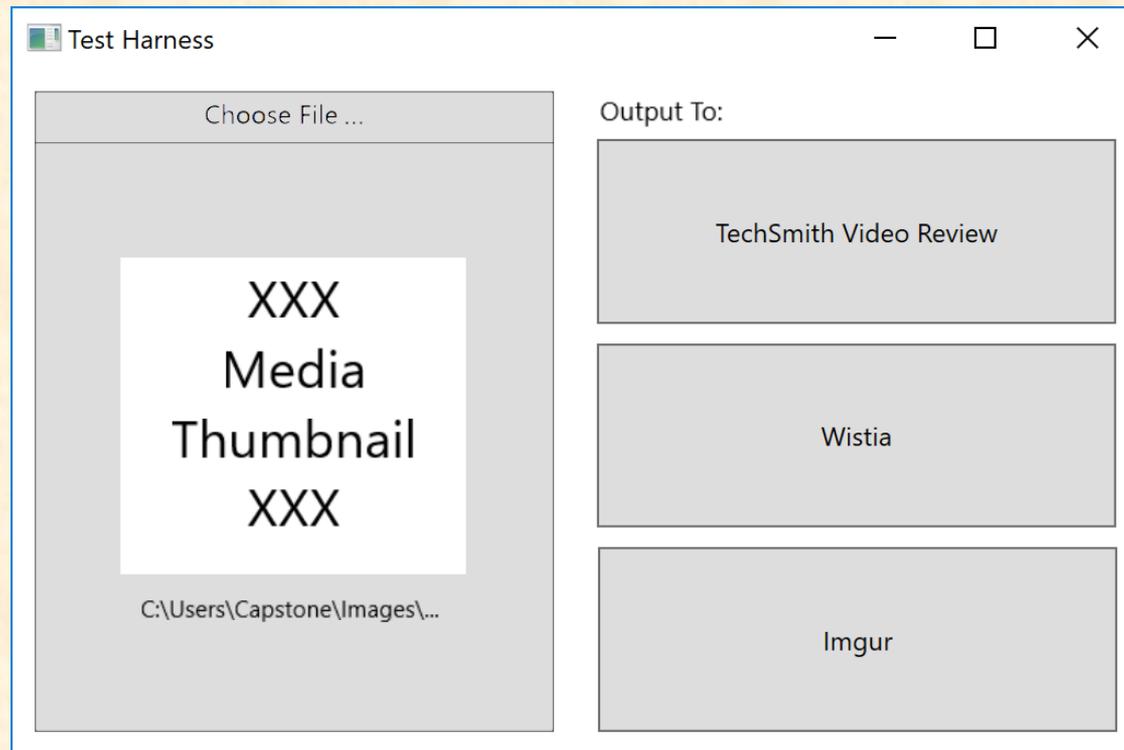
Wistia Account
Signed in as:
example@gmail.com
[Switch Accounts...](#)

Video Options
Video File:
Video Name:

[Upload](#) [Cancel](#)



Screen Mockup: Test Harness

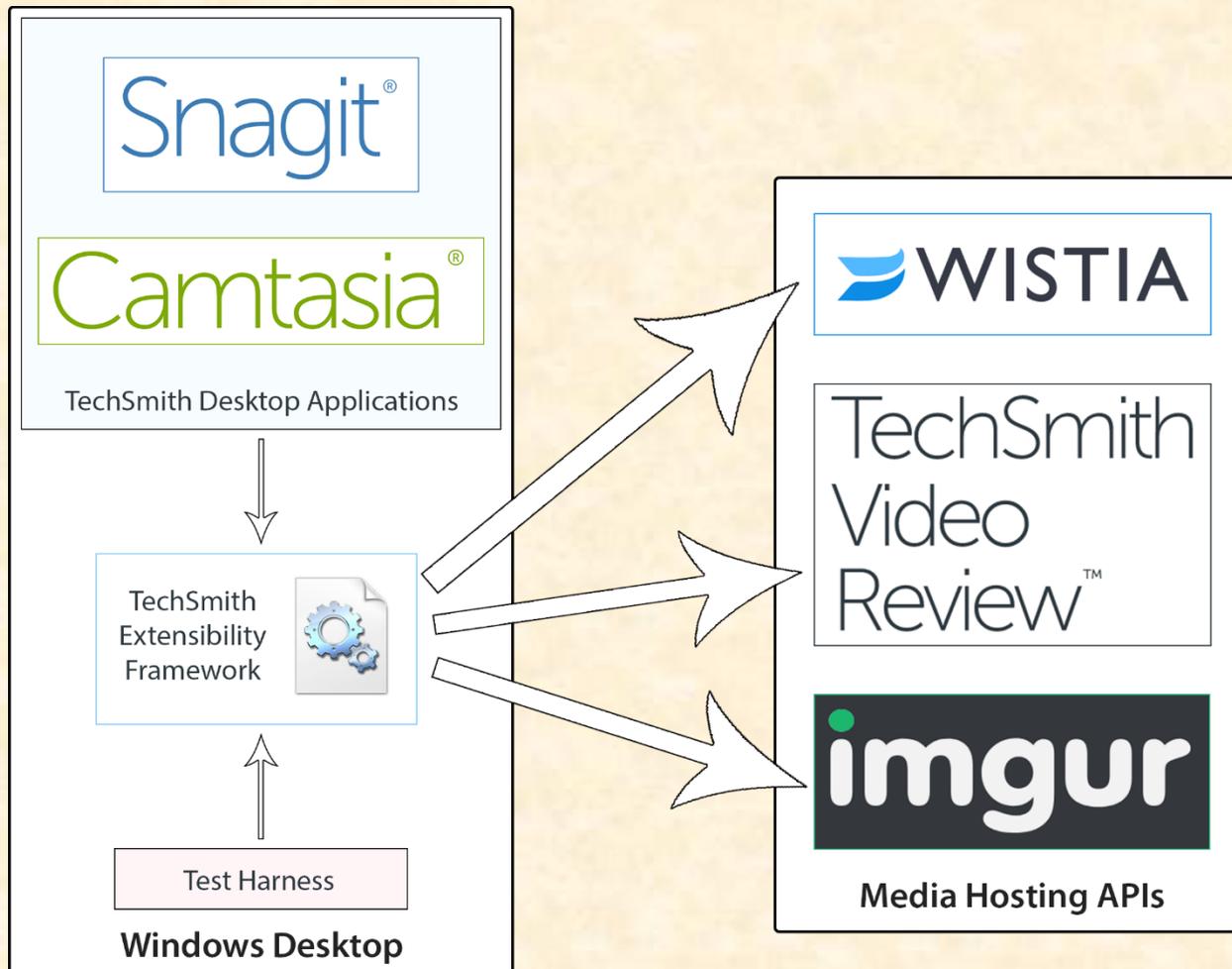


Technical Specifications

- Test Harness
- TechSmith Extensibility Framework
- Outputs
 - TechSmith Video Review
 - Wistia
 - Imgur
- Windows Presentation Foundation (WPF) for UI design



System Architecture



System Components

- Software Platforms / Technologies
 - Snagit/Camtasia
 - Visual Studio
 - C#/.NET
 - Windows Presentation Foundation
 - TechSmith Extensibility Framework
 - TechSmith Video Review API
 - Wistia API
 - Imgur API



Risks

- API Credential Management
 - Description: Our team requires API's from three different applications.
 - Mitigation: We are coordinating with TechSmith often and have established a timeline to have all credentials in place.
- API Uniformity
 - Description: API's used in this project may not present information uniformly.
 - Mitigation: We are using abstraction that is provided by the TechSmith Extensibility Framework.
- UI Design
 - Description: GUI Design is not a major skillset of our team.
 - Mitigation: We are using Windows Presentation Foundation to reduce the difficulty of making a unified design for each of our plugin interfaces.



Questions?

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