

MICHIGAN STATE
UNIVERSITY
Beta Presentation

Internal Telemetry For TechSmith
Products

The Capstone Experience

Team TechSmith

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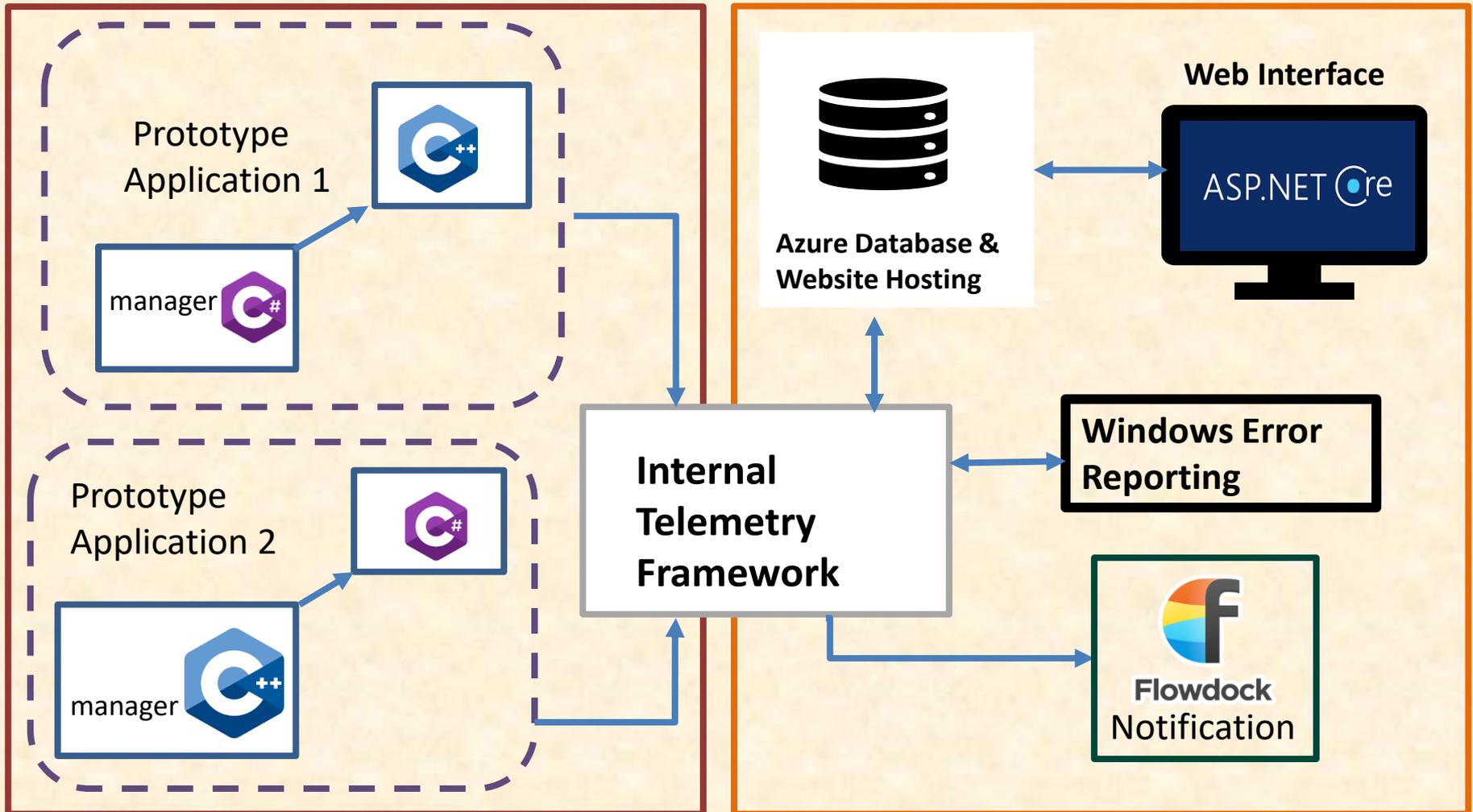
From Students...
...to Professionals

Project Overview

- Internal Telemetry Framework (ITF)
 - Dynamic-Link Library
 - WER registers this to run on application crash
 - Sends necessary information to database
 - Included in prototypes
- Web Portal
 - Products and versions
 - Report types



System Architecture



Internal Telemetry Dialog Box

TechSmith Internal Telemetry

TechSmith Internal Telemetry

User Information:

Name:

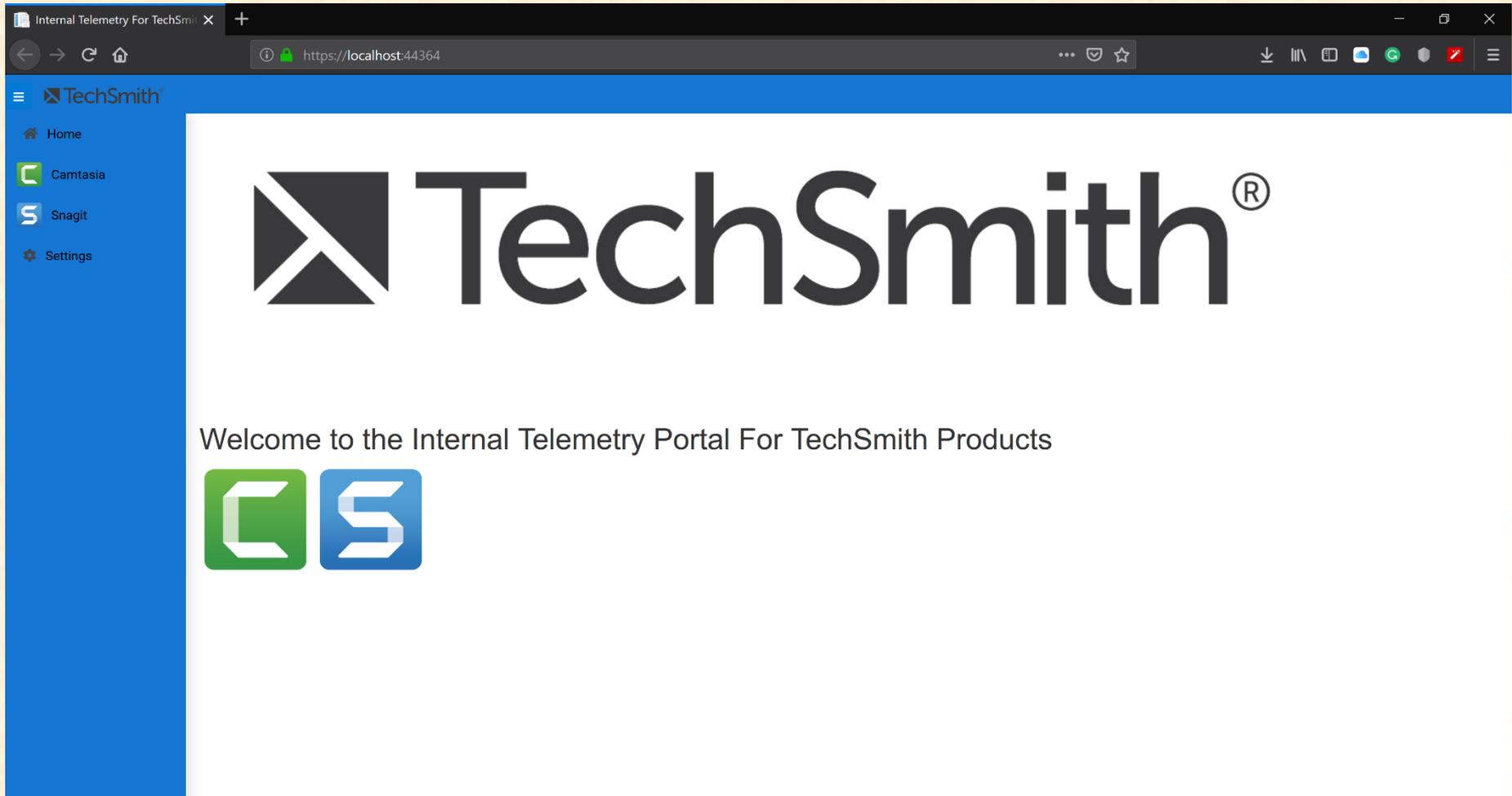
Email:

Workstation: Dell XPS

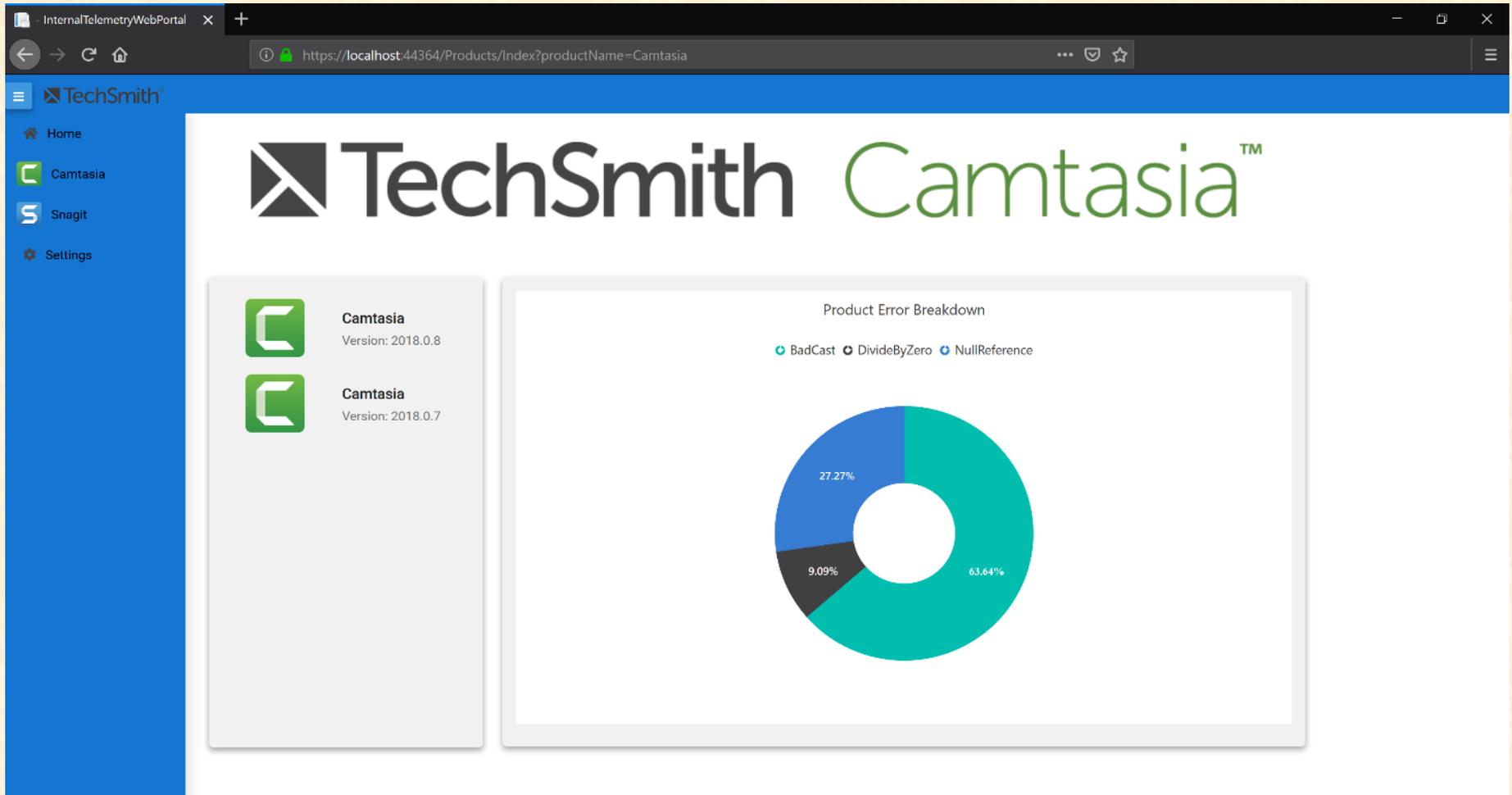
Please provide additional information about the crash:



Home Screen



Camtasia Product Screen



Camtasia Product Screen

The screenshot displays the TechSmith Camtasia product interface. The browser address bar shows the URL `https://localhost:44364/Products/Details/1`. The page header includes the TechSmith logo and the product name "Camtasia™" with version "2018.0.8". A left sidebar contains navigation links for Home, Camtasia, Snagit, and Settings. The main content area features a list of error logs on the left, a line chart titled "Errors Over Time" in the center, and a detailed error report on the right.

Error Log:

Icon	Error Type	User	Date and Time
✖	NullReference	Ryan	2/2/2017 12:00:00 AM
✖	DivideByZero	Ben	2/3/2017 12:00:00 AM
✖	NullReference	Ryan	6/7/2018 12:00:00 AM
✖	NullReference	Ben	8/9/2018 12:00:00 AM

Errors Over Time Chart:

Year	BadCast	DivideByZero	NullReference
2017	1	0	0
2018	1	0	1
2019	1	0	7

Error Report Details:

- User Name: Ryan
- Error Type: NullReference
- Date of Error: Thu Feb 02 2017 00:00:00 GMT-0500 (Eastern Standard Time)

Report Options:

- WINDOWS ERROR REPORT
- DUMP FILE
- HARDWARE INFORMATION
- Download Windows Error Report

What's left to do?

- Debugging
- Finalize integration with TechSmith
- Finalize documentation

Questions?

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