

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Project Plan

## Productivity Toolbar (aka Fast App Launcher)

### The Capstone Experience

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

# Project Overview

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- Provide individualized application organization of General Motors applications via an app launcher



# Functional Specifications

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- Accessible locally via a windows application or remotely via a web application
- Allows for applications to be launched on-click from a tile based menu.
- User profiling to allow for customization of both application sets and display order.
- Allows for individual users to add to, remove from, and configure application sets.



# Functional Specifications

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- Users may search for and add applications to the launcher through a store interface.
- This store interface also allows application owners to manage the attributes of their applications, and to add or remove their registered applications from the store.
- Sort functions such as "frequently used", "more" and "all apps" are available within a user's launch panel.



# Functional Specifications

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- Applications promoted by administrators is capable of being pushed to all users, or a subset of users.
- The launcher is able to identify which applications are currently installed on a user's machine, as well as which applications are immediately accessible via the web.
- The launcher is able to deliver installation files to a user upon request.



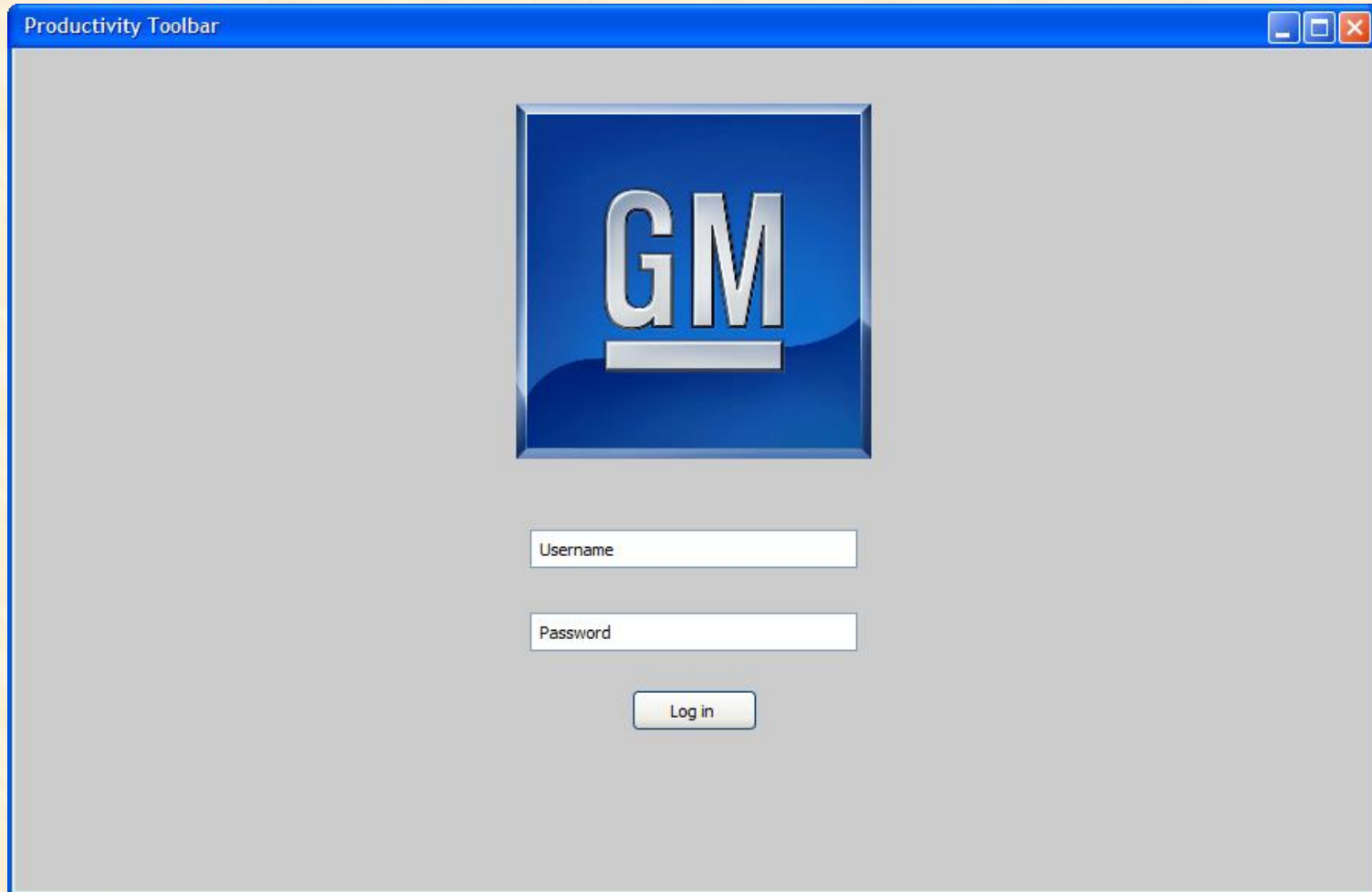
# Design Specifications

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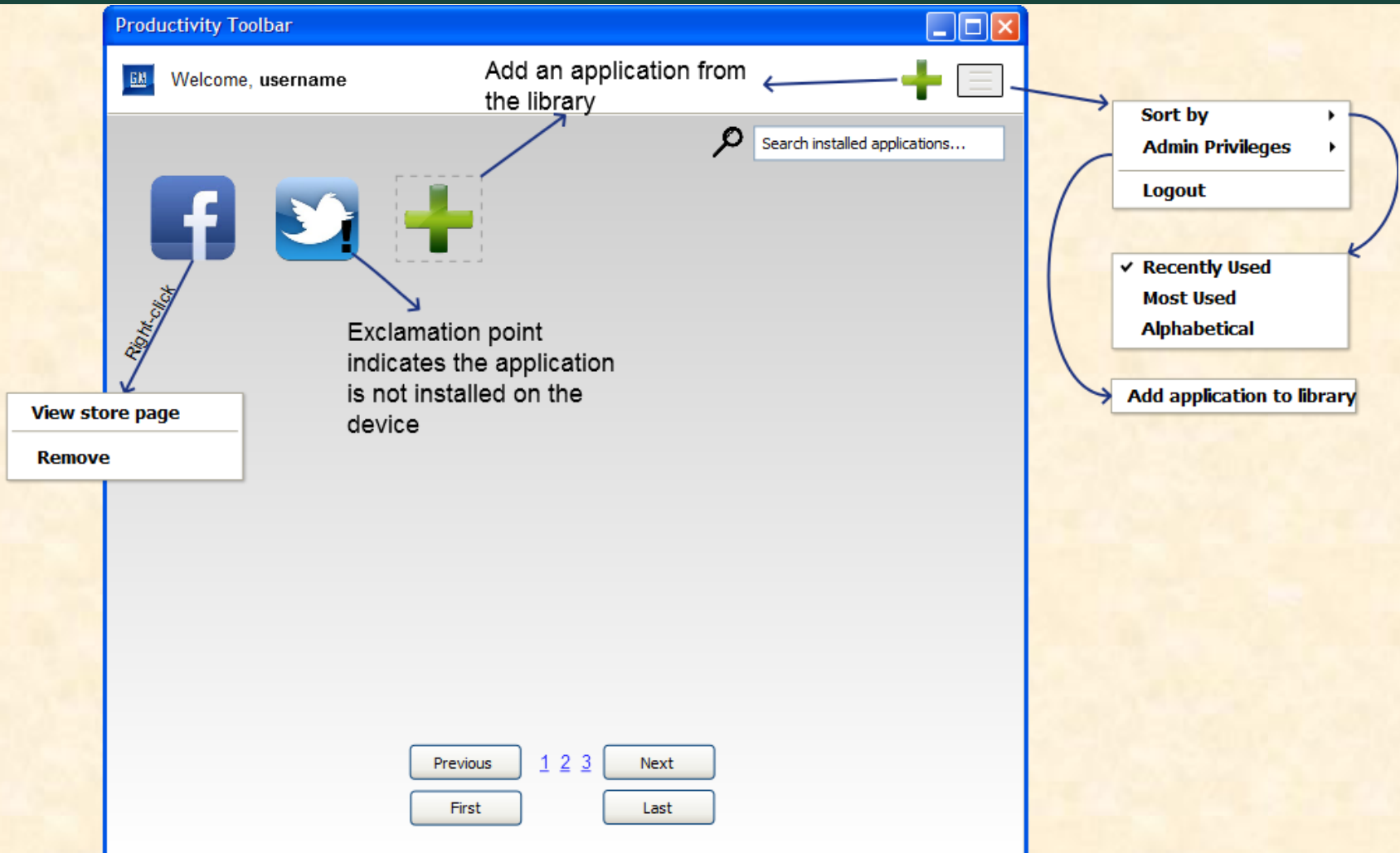
- Add applications via an application library
- Sort applications
  - Most used, recently used, etc.
- Administrator privileges
  - Add, edit, remove applications in the application library
- Windows 7 and Internet Explorer applications



# Screen Mockup: Login Window



# Screen Mockup: App Launcher Window





# Screen Mockup: Application Library



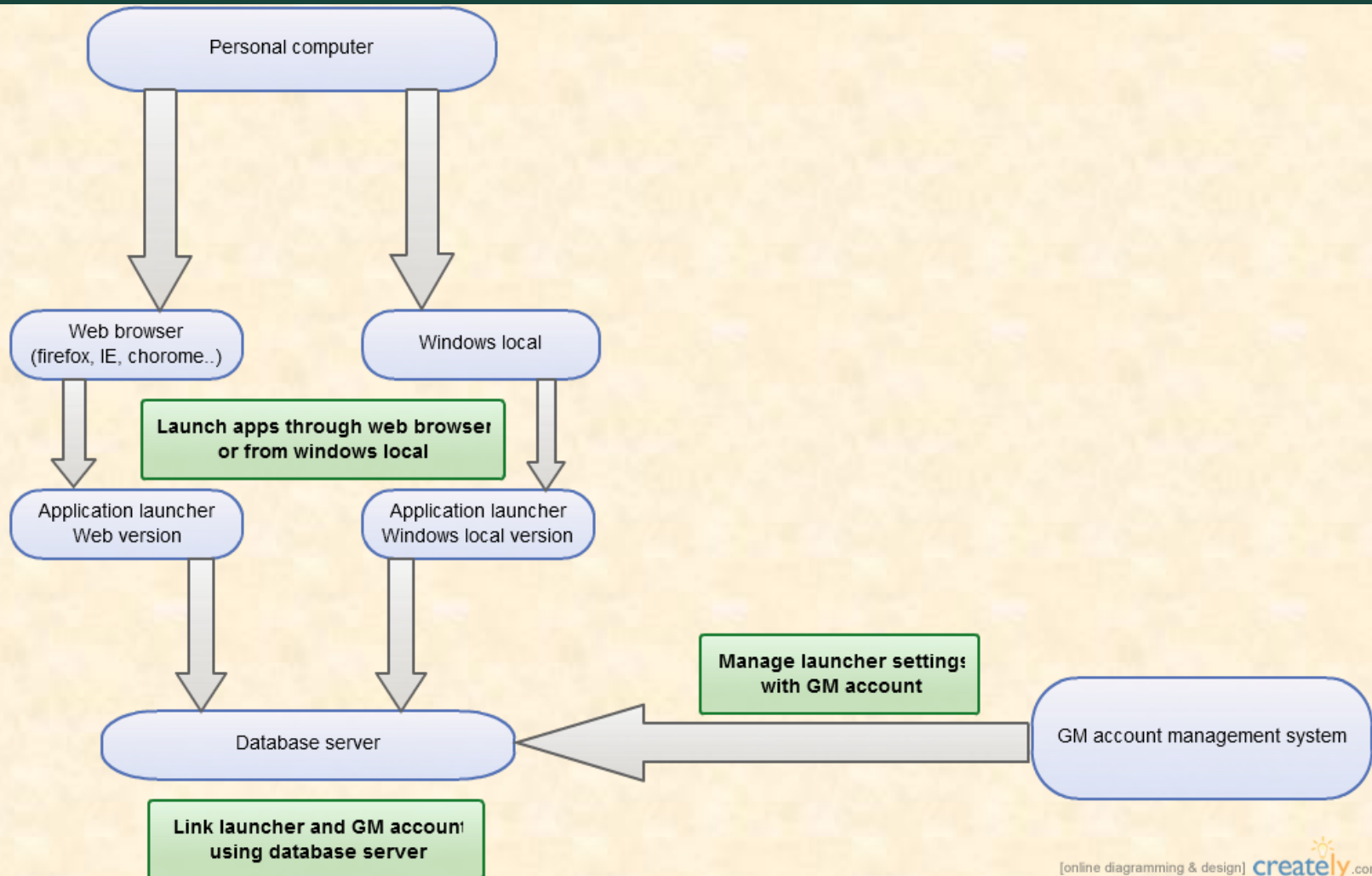
# Technical Specifications

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- Internet Explorer, Chrome, Firefox
- Windows 7
- Microsoft .NET, Visual Studio 2013



# System Architecture



# System Components

- Software Platforms / Technologies
  - Microsoft SQL Server 2012
  - Web browser (Primarily Internet Explorer)
  - Windows 7
- Development Environment
  - Microsoft Visual Studio 2013
  - C#
  - .NET



# Testing

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- Create pseudo accounts and applications for testing environment
- Test across multiple devices



# Risks

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- Web launcher capabilities
  - Description: May be unable to access and launch local offline applications.
  - Mitigation: Limit web launcher to web applications
- Multiple devices
  - Description: Applications installed on one device may not be installed on another device.
  - Mitigation: Check for installed applications and prompt user installation if necessary.

