**Desktop Applications with XAML and WPF**

**Teamwork assignment**

# Team Members of Team “*Papaya*”

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**AppHarbour Web Services:** <http://simpleadvertsystem.apphb.com/>

**Assembla Repository:** <https://subversion.assembla.com/svn/team-papaya>

# Project Description

Design and implementation of a desktop application using WPF. It has a server REST API written in ASP.NET WebAPI.

* **Simple Advertisement System**
  + Users can post own advertisements
  + The advertisement can have Title, Text, Category, a set of Tags, a set of Comments
  + Each Tag is unique and each Advertisement can have multiple Tags
  + Each Advertisement can be posted in a single Category
  + Users can leave a comment about an advertisement
  + Users can create new Categories

### Requirements for the *REST API that are fulfilled*

* **ASP.NET WebAPI**
* **RESTful web services – Users, Advertisements, Categories, Comments, Tags – main CRUD operations**
* Application is hosted in **AppHarbor**

### Requirements for the *Desktop application that are fulfilled*

* Uses **WPF and MVVM design pattern**
  + The application is separated into consistent layers – **9 Views**, **16 ViewModels** and **9 Models**
* Uses the **command pattern** for behavior binding
  + Event handlers for the UI controls must not be present

## Additional Requirements

* Followed the **best practices for OO design**