

# Agile II & Version Control II

## *Week 2 Training*



# **Our Goal**

*Prepare you to begin your Front-End Sprint.*

# Agile II

## *Designing for Users*



The image shows a screenshot of the Citibank Online login interface. It has a blue background with white text. At the top, it asks 'First time user?' with a 'Register' button. Below that, it says 'Sign on to Citibank® Online' with a lock icon. There are input fields for 'User ID' (containing 'jsmith') and 'Password' (masked with asterisks). A checkbox labeled 'Remember my User ID' is checked. A green 'Sign On' button is below the password field. At the bottom, there are links for 'Forgot User ID or Password?' and 'Ingresar en español', and a dropdown menu for 'Visit other Citi-sites:'.

Your *favorite* software product?

**Why?**

A small, fluffy brown dog, possibly a poodle or similar breed, is sitting in the passenger seat of a car. The dog is looking out the window with a curious expression. The car's interior, including the seat and dashboard, is visible. The image has a greenish tint.

**Who is your *customer* and your *user*?**  
**What creates *value* for them?**

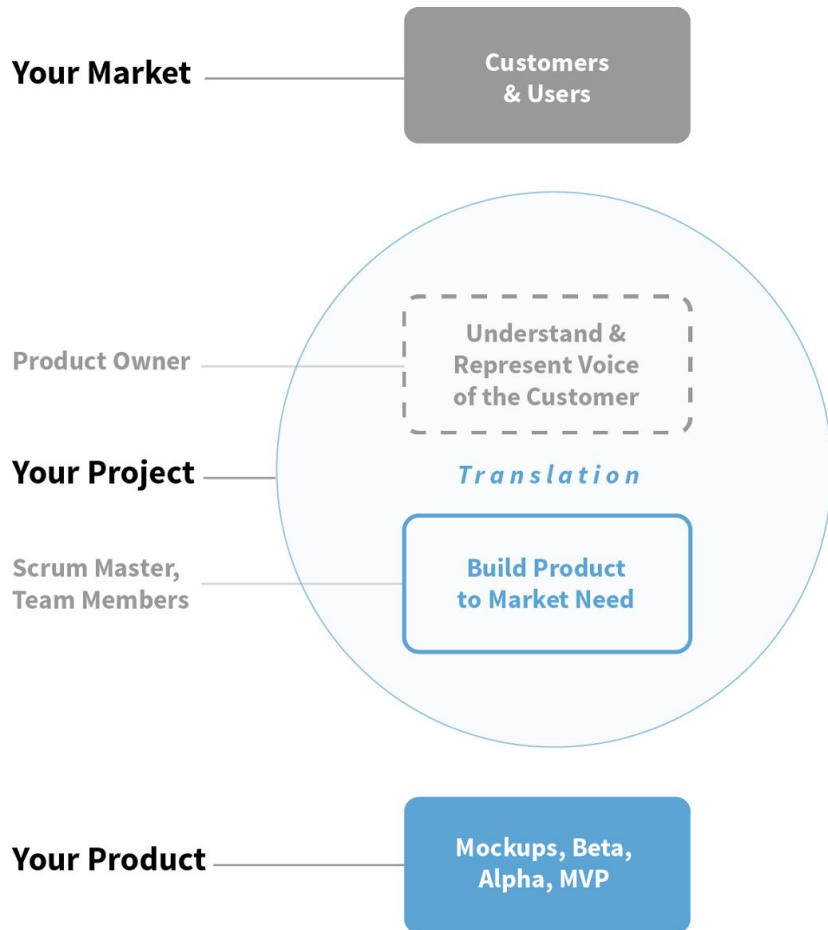
## NOTE: Defining Terms

A **Customer** pays for the software product or service.

A **User** uses the software product or service.

A **Customer** may also be a **User**.

# Defining Terms: Design



## Roles

Product Owner

Scrum Master

Team Member

## Agile II: What do we build? How do we define a Sprint?

What is a *Persona*?

What is a *Story*?

What is the *Backlog*?

What are *Taskboards* & *Planning Poker*?

**Why bother?**



# **Our Focus**

*Personal Website Project*

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## EDUCATION:

**Sacred Heart University**

September 2011 - May 2015 (Undergrad)

# User Personas



**Who is the User?**  
**What creates value for them?**

**Focus your thoughts about your users through a **Persona**.**

Name their role, their user type, get a photo.

Describe who they are & what motivates them.

## An Example Persona



### **Starling: *Partner Company Hiring Manager***

*Title:* CEO

*Responsibilities:* Defining the vision, ensuring that the team understands what value means to customers, delivers value, and performs highly on metrics.

*Age:* 35 years old

*Education:* Bachelor's degree, no experience in Computer Science.

# **Exercise**

## **Developing Personas**

# Stories



## What is a Story?

A **Story** is a *need* expressed by a **Product Owner** on behalf of their customers or users.

It is also an invitation to work together to develop a product to satisfy the need and create value.

***As a {type of user}, I want to {do something}  
in order to {achieve something}.***

# Exercise

# Writing Stories

# Backlogs

A black and white photograph showing a long, single-file line of people, mostly men wearing hats and coats, waiting outside a building. In the background, a sign for 'GUINNESS EXTRA BEER' is visible above the entrance. The image is used as a metaphor for a backlog.

**What is a Backlog?**



**A list of Stories to be elaborated and completed.**

## What is a Backlog?

### **Product Backlog**

A list of Stories for the entire project.

### **Sprint Backlog**

A list of Stories planned for the Sprint.

Project Name	Personal Website
Sprint Name	1
Product Owner	Chris Impastato

Story ID	For Persona	Story	Description	Priority	Rank
369	Recruiter	As a recruiter, I'd like to...	Some recruiters like to search by...	Critical	#1



# Exercise

## Creating Backlogs

**Break**

*15 minutes*

# Version Control II

## *Branching and Merging*



## Review of Current Progress

Cloned remote repository, *my-first-github-repo*.

Renamed to *firstnameResumeSite*.

Added and committed your files.

```
git add <filename>  
git commit -m "<message>"
```

Pushed to GitHub repository

```
git push origin master
```

Version Control and Workflows

Creating and Working Between Branches

Pushing Code Updates With Merges

dev / master / gh-pages

# Exercise

## **Git Individual Workflow**

## Git Workflow for an Individual Project: dev / master / gh-pages

1. From *master* branch, create *dev* branch
2. In *dev* branch, make and commit changes
3. Merge *dev* into *master*
4. Create *gh-pages* branch, merge *master*; push to GitHub
5. Visit [https://\[username\].github.io/repoName](https://[username].github.io/repoName)

**Navigate to (current user's) home directory**

```
cd ~
```

**Create directory, *Workflow***

```
mkdir Workflow
```

**Navigate to *Workflow* directory**

```
cd Workflow
```

**Initialize new Git repo in directory**

```
git init
```



### **Display all branches on repo**

```
git branch
```

### **Create and switch to new branch**

```
git checkout -b [branchname]
```

### **Switch to other branch**

```
git checkout [branchname]
```

### **Push to remote branch**

```
git push origin [branchname]
```

### **Switch to requesting branch**

```
git checkout [branchname1]
```

### **Merge changes from different branch into the current one**

```
git merge [branchname2]
```

### **Push to remote branch (origin) from current branch**

```
git push [origin] [branchname1]
```

## Helpful Links

[Sample Software Developer Resume](#)

[Official Git Documentation](#)

[Git Cheat Sheet](#)

## Free Ebooks

[\*Learn Version Control with Git\*](#)

[\*Command Line 101\*](#)

[\*Pro Git\*](#)

# Individual Assignment 2 (a, b, & c)



**Read the [Agile Manifesto](#) and the [12 Principles](#) behind it.**

What makes these values so compelling and so different from traditional (Waterfall) project management?

**Read the Atlassian article [Comparing Workflows](#).**

Be able to compare & contrast the *Centralized* and *Feature-Branch* Workflows.

Advanced: Look at the *Gitflow* and *Forking* Workflows.

### **Code review.**

Give feedback to a buddy at StudyHall on their Personal Website.

Focus on:

- Clean, HTML5-compliant code

- Attention to detail (color, font, margins, etc.)

- Relevance of the content to a software dev job

- Telling their Story

### **Add content to your personal website.**

Integrate feedback from others on good code practices.

Deploy your site to gh-pages.

Remember:

- Commit & push meaningful units of work to your repos.

- HTML5-compliant Code

  - No inline styles; use `class` rather than `id` to style when possible; etc.*

- Should render well on a mobile devices.

- You must be proud of it.

# See you at StudyHall!

