**Cost-Divider**

**Test Plan**

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**Cost-Divider**

**Test Plan**

# MSD I: WKS 8-10 TEST plan

## Introduction; Overview; Summary; Purpose

We are a team of four individuals who set out to make an application that every day human beings could come across and use in their day to day lives. We built a web application that allows for users to come to our site and add a specified dollar amount to then divide the cost among all the individuals involved in the transaction. We kept the people in our mind the entire time while developing this application; it’s all about making life easier.

## Project Description; Sub-Systems/Critical Components

There’s many people out there who struggle splitting up a bill or figuring out a way to pay a friend for an expense, we cut out the hard work, and offer everyone an easy and effective way to stay on top of daily/monthly expenditures. The project is set around several obstacles we set out to conquer and have achieved a great deal in the process

### When a user comes to use our web application they choose an option to either divide the cost “evenly” or “customly,” where a form will then be generated accordingly.

### If the user clicks “Evenly” the user enters the number of people to be divided among and a total amount of money they want to split. They then enter their personal Venmo username which will be used to conduct the transfer of funds. All users have the option to upload an image of a receipt if they choose to and add a note for what they payment is for.

### If the user clicks “Custom”, the form will add a field to split the bill with a different percentage than it would if the amount was split evenly.

### Once the user clicks the submit button a new form is generated where the user will enter the Venmo usernames of the people they wish to charge.

### After everything has been input on our application they are transferred to Venmo. From there they will finish the process payment and notifications will be sent out the recipients that were included in the final step on our application. Venmo is the third-party application we integrated for the peace of mind of users coming to our site. It’s reputation helps us gain the trust of the users trafficking to our site, so that we may improve more on our application and in the future apply a payment option directly hosted on our site from us.

## Approval; Sponsor

Approved by:

Team Members – Muzammel Choudhery,

Christian Lewcyzk,

Alex Sadeghi, and

Delan Diaz

Sponsor(s) – None.

## Test Strategy

1. *What we’ll test (and what we won’t test)*

* We will test how quick the response of the web application is when processing requests.
* How many requests it can handle; System crashes.
* Will all users entered to be charged, be charged.
* Usability.
* Notifications being received to users.
* We will not test the upload button.

1. *How we’ll test: equipment and materials needed, test configurations and procedures, pass/fail criteria*

* We will go through each part of the web applications processing requests to see what is being generated.

1. *Responsibilities and the approval process*

* All team members approve the web application is a functional prototype. Went through functionality of application and are satisfied of outcome.
* Muzammel Choudhery was the Product Owner.
* Delan Diaz was the Scrum Master for Sprint 1.
* Alex Sadeghi was the Scrum Master for Sprint 2.
* Christian Lewcyzk was the Scrum Master for Sprint 3.

### **1.5 Product Specifications/User Stories/Chart**

|  |  |  |
| --- | --- | --- |
| # | User Story | Task |
| 1 | As a user, I want to be able to be able to charge everyone I need to with one Venmo link so that my time is not wasted by clicking through a lot of links. | Generate a Venmo URL that can be used to charge everyone. |
| 2 | As a developer, I want a custom form where I can enter the Venmo username of each person that needs to be charged. | Use the amount of people to generate an editable form with a field for each Venmo username. |
| 3 | As a user, I want a persistent website that I can visit at any time so I can use this app’s functionality. | As a stopgap, use a student website that we are all provided with. |
| 4 | As a user, I want the custom split functionality to be working so that I can charge other people a variable amount of money. | Make the editable form of Venmo usernames also have a field for the percentage that they want to pay for the total cost. |
| 5 | As a developer, I want form validation and error checking so that our website does not break when users start messing around with input. | Somehow attempt to verity that the Venmo usernames are legitimate. |
| 6 | As a product owner I want to have the web app calculate divided expense among several people, so everyone can see their amount due. | Have an aesthetically pleasing way of displaying the divided cost. |
| 7 | As a user, I want to be able to split payments up into percentages so I don’t always have to set up an exact amount. | Write a separate method to divide costs by percentage rather than exact cost. |
| 8 | As a user, I want a contact form to put in my information, so I can connect with my friends. | Integrate the Facebook javascript sdk into the html skeleton. |
| 9 | As a user, I want to receive a notification when my payment is due so I am reminded about payment deadlines. | Implement the notification functionality into the website. |
| 10 | As a user, I want to be able to upload a picture of the receipt so that we can all see what we pay for. | Find a way for users to upload pictures to the website. |
| 11 | As a product owner, I want to have login authorization to store information so that when I log in I can access my previous recipients. | Come up with the best method to store secure user information |
| 12 | As a product owner I want a website skeleton, so I can put my application there. | Create a skeleton and start adding basic features. |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **User Stories** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
|  |  | **Period Highlight:** | | | | | 1 | **Period Highlight Spin Control** |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | **PLAN** | **PLAN** | **ACTUAL** | **ACTUAL** | **PERCENT** |  |  |  |  |  |  |  |  |  |  |  |
|  | **Reference #** | **START** | **DURATION** | **START** | **DURATION** | **COMPLETE** |  | **Weeks** |  |  |  |  |  |  |  |  |  |
|  |  | **(WEEK)** | **(WEEKS)** | **(WEEK)** | **(WEEKS)** |  |  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
|  | **1** | 6 | 5 | 8 | 2 | **100%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **2** | 6 | 5 | 6 | 4 | **100%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **3** | 6 | 5 | 9 | 2 | **100%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **4** | 6 | 5 | 6 | 4 | **100%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **5** | 6 | 5 | 7 | 3 | **100%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **6** | 4 | 2 | 4 | 6 | **100%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **7** | 4 | 2 | 4 | 6 | **100%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **8** | 4 | 2 | 4 | 5 | **25%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **9** | 4 | 2 | 7 | 3 | **100%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **10** | 4 | 2 | 4 | 2 | **60%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **11** | 2 | 2 | 2 | 8 | **10%** |  |  |  |  |  |  |  |  |  |  |  |
|  | **12** | 2 | 2 | 2 | 2 | **100%** |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Plan |  | Actual |  | % Complete |  | Actual (beyond plan) |  | % Complete (beyond plan) |