|  |  |  |  |
| --- | --- | --- | --- |
| ID | Fields | Actual result | Expected Result |
| 1 | 9400139688ab | Invalid format | Valid format |
| 2 | ris@gmai | Invalid email | Valid email |
| 3 | [risa@gmail.com](mailto:risa@gmail.com) | Valid email | Valid email |
| 4 | rs | Weak | Strong |

1. Registation
2. Login

|  |  |  |  |
| --- | --- | --- | --- |
| 1D | Fields | Actual result | Expected result |
| 1 | Risana | Password does not match | Password matches |

**Product Backlog:**

The agile product backlog in Scrum is a prioritized features list, containing short descriptions of all functionality desired in the product. When applying Scrum, it's not necessary to start a project with a lengthy, upfront effort to document all requirements. In the simplest defnition the Scrum Product Backlog is simply a list of all things that needs to be done within the project. It replaces the traditional requirements specification artifacts. These items can have a technical nature or can be user-centric e.g. in the form of user stories.

|  |  |  |  |
| --- | --- | --- | --- |
| Feature ID | User story | Priority | Estimation |
| 1 | As a user I want to register the application using graphical authentication system so that I can be a part of the system. | high | 60 |
| 2 | As a user I want to login to application using graphical authentication password so that I can transfer money. | medium | 60 |
| 3 | As an admin I can manage the details of user and their account details so that I they can transfer money securely. | Low | 60 |
| 4 | As a user I can transfer money to others account so that I can pay them online. | High | 60 |
| 5 | As a user I can pay bills to corresponding boards so that I can pay quickly. | Medium | 60 |
| 6 | As an admin I can give notification to the users so that they can know the details of their orders. | Medium | 60 |

**Sprint Planner:**

Any Sprint starts with planning. In the sprint planning meeting, a small chunk from the top of the product backlog are pulled and it is decided how to implement those pieces. The pieces, generally called user stories are taken into the sprint and points are provided to them as per their complexity. Some specific points (depending on team size and sprint duration) are taken to be completed within a given duration. After taking the user stories to the sprint, all the user stories are broken down into sub tasks and the sub tasks are assigned to the team in “To Do" state. Sometimes, all the user stories are not pulled during the sprint planning meeting. Some of the stories can be pulled in the middle of the scrum when any user story is completed before the time. Sprint Planning is time-boxed to a maximum of eight hours for a one-month Sprint. For shorter Sprints, the event is usually shorter. The Scrum Master ensures that the event takes place and that attendants understand its purpose. The Scrum Master teaches the Scrum Team to keep it within the time-box.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Feature ID | Sprint | Start date | End date | Estimated hours | Sprint goal | Acceptance Criteria |
| 1 | 1 | 2/2/19 | 18/8/18 | 60 hrs | Create a registration page using graphical authentication system. | Given Iam a unregisterd user and Iam on the sign in page,I need to fill the fields and to choose image for three level and register . |
| 2 | 2 | 18/2/19 | 1/3/14 | 60 hrs | Create a login page. | Given Iam a logged out system and when I select the appropriate images I will be logged into the system. |
| 3 | 3 | 1/3/19 | 12/3/19 | 60 hrs | Managing user details and account details. | Given Iam an admin I can mange the details of my account and check balances. |
| 4 | 4 | 12/3/19 | 28/3/19 | 60 hrs | Creating a page for transferring money. | Given Iam a registered user I can transfer money to others account and also to track the transaction details. |
| 5 | 5 | 29/3/13 | 13/10/18 | 60 hrs | Creating page for paying bills to corresponding boards. | Given iam a registered user,I can pay bills to different boards so that I can pay them online. |
| 6 | 6 | 14/10/18 | 27/10/18 | 60 hrs | Creating page for sending notifications to user. | Given I am an admin,I can send notification to user so that they can know the details of their orders. |

**Ideal Burn down chart**

**3.1 Problem Statement**

With the increasing amount of mobile devices and web

services, users can access their personal accounts to send

confidential business emails, upload photos to albums in

the cloud or remit money from their e-bank account anytime

and anywhere. While logging into these services in public,

they may expose their passwords to unknown parties unconsciously.

People with malicious intent could watch the

whole authentication procedure through omnipresent video

cameras and surveillance equipment, or even a reflected

image on a window [37]. Once the attacker obtains the

password, they could access personal accounts and that

would definitely pose a great threat to one’s assets. Shoulder

surfing attacks have gained more and more attention in the

past decade. The following lists the research problems we

would like to address in this study:

1) The problem of how to perform authentication in

public so that shoulder surfing attacks can be alleviated.

2) The problem of how to increase password space

than that of the traditional PIN.

3) The problem of how to efficiently search exact password

objects during the authentication phase.

4) The problem of requiring users to memorize extra

information or to perform extra computation during

authentication.

5) The problem of limited usability of authentication

schemes that can be applied to some devices only.