## Test Plan

More will be added to this section

### Features Tested

Start page:

1. Start page是否可以在不同的浏览器正常展示.
2. Start page在不同显示屏上是否正常显示（目前不支持手机屏幕展示）.
3. 点击“Start”按键是否能连接到Workflow Max认证页面；
4. 使用不同账户测试是否能够成功获取Workflow Max认证；
5. Workflow Max 认证失败后是否成功返回call back页面，并给予用户下一步操作提示.
6. Workflow Max 认证成功后是否能够打开Main page.

Main page:

1. Main page是否可以在不同的浏览器正常展示.
2. Main page在不同显示屏上是否正常显示（目前不支持手机屏幕展示）.
3. Search 功能测试：
4. 输入框即时检查输入错误。
5. 当输入框输入非数字，展示错误提示.
6. 用户修正后，错误提示被隐藏.
7. 输入框输入非数字，点击“Search”按键不会向Workflow Max API发送查询请求
8. 输入不存在的job ID，提示用户该Job ID 不存在。
9. 输入正确的Job ID，下方表格中展示该Job的详细信息。
10. 表格功能测试：
11. “Status” 下拉菜单中是否包括用户所需求的所有状态
12. “DHF Status” 下拉菜单中是否包括用户所需求的所有状态
13. 搜索成功后，表格中所展示的Job详情是否和Workflow Max一致
14. 点击Job number后是否能正确连接到 Job detail 页
15. 同步功能测试：
16. 没有进行Job ID查询时，不允许同步，并提示用户输入Job ID进行查询。
17. 如果Monday.com 没有该Job的信息，创建新Job 到Monday.com
18. 如果Monday.com 已经有该Job的信息，更新Job details到Monday.com
19. 如果用户在同步前更改“Status”或“DHF Status”，将更新后的信息同步到Workflow Max 和Monday.com

Job detail page：

1. Job detail page 是否展示了用户需要同步的所有信息。
2. Job detail page 中的内容是否和Workflow Max一致。
3. “Back”按键是否能返回Main page.

### Test Approach and Measurement

Selenium IDE record.

## Usability Testing

More will be added to this section

### Usability Metrics

Below are the identified usability metrics.

## Summary of Metrics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Completion Rate** | **Task Time** | **Task Level Satisfaction** | **Test Level Satisfaction** | **Errors** |
| The rate of task completion. Will be recorded in a binary metric:  1 = Task success  0 = Task Failure | Task duration recorded in minutes or seconds. Task recording will begin when user read scenario and ends when scenario completed. | After each task attempt the participant will answer a difficulty question for said task. | At the end of the usability test, the participants are asked to answer three questions on their impression of the website. | Any unintended errors, or actions the user makes will be recorded with a description of the error. These will then be weighted on severity – critical or non-critical errors. |

### Overview of Metric

More will be added to this section

### Critical Errors

Below is the list of critical errors.

* An error that deviates the participant from completing a task
* Website returns wrong data values to participant
* The system does not return a correct output from participant

### Non-Critical Errors

Below is a list of non-critical errors. These types of errors a recoverable during a task and do not hinder task completion.

* Participant exceeds expected task time by >15
* Participant needs to ask for help during a task
* Participant is lead astray by GUI but eventually completes the task

### Subjective Evaluations

This is where Task/Test level satisfaction comes into play for each task and category. The system usability scale will give me a greater understanding of how the participants feels about the overall usability of the website.

### Usability Test Plan

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **First name:**  **Age:**  **Gender:**  **IT experience:** *e.g. basic, moderate, expert.* | | | **Strongly Disagree** | **Disagree** | **Neutral or Undecided** | **Agree** | **Strongly Agree** |
| **Navigation** | | | | | | | |
| N1 | Navigating the site is easy | |  |  |  |  |  |
| N2 | Navigating the site is easy | |  |  |  |  |  |
| N3 | Can access homepage on every page | |  |  |  |  |  |
| N4 | Users can always identify where they are in the site | |  |  |  |  |  |
| N5 | Hyperlinks display correct page when clicked | |  |  |  |  |  |
| N6 | Navigation menu is easy to follow | |  |  |  |  |  |
| N7 | Links open to correct information | |  |  |  |  |  |
| **Information** | | | | | | | |
| I1 | | The information on the website is relevant |  |  |  |  |  |
| I2 | | Find the information about members. That was an easy task? |  |  |  |  |  |
| I3 | | Find the information about game schedules. That was an easy task? |  |  |  |  |  |
| I4 | | It’s easy to find information |  |  |  |  |  |
| I5 | | Text is easy to read |  |  |  |  |  |
| I6 | | Easy to find contact details |  |  |  |  |  |
| I7 | | The information on the website is relevant |  |  |  |  |  |
| **Visual appearance** | | | | | | | |
| V1 | All images display the Cantabrian RFC adequately | |  |  |  |  |  |
| V2 | Images are high quality | |  |  |  |  |  |
| V3 | All images have a description | |  |  |  |  |  |
| V5 | The layout of the website is easy to navigate | |  |  |  |  |  |
| V6 | The colour scheme is consistent and appropriate | |  |  |  |  |  |
| V7 | There is a good visual balance on each page | |  |  |  |  |  |
| V8 | Fonts are appropriately used | |  |  |  |  |  |
| V9 | Buttons have effect when mouse is hovering over | |  |  |  |  |  |
| **Form** | | | | | | | |
| F1 | The form is easy to complete | |  |  |  |  |  |
| F2 | The fields are easy to follow | |  |  |  |  |  |
| F3 | The form fields did not erase when required fields were not filled out before submission? | |  |  |  |  |  |
| F4 | The form is easy to complete | |  |  |  |  |  |
| **Content** | | | | | | | |
| C1 | The sites purpose is clear | |  |  |  |  |  |
| C2 | Each page is identified | |  |  |  |  |  |
| C3 | All content is appropriate | |  |  |  |  |  |
| C4 | Users can copy content to the clipboard | |  |  |  |  |  |
| C5 | Every page has a heading | |  |  |  |  |  |
| **Technical** | | | | | | | |
| T1 | The website loaded quickly | |  |  |  |  |  |
| T2 | The site is usable with images disabled | |  |  |  |  |  |
| T3 | Th site has a help and support section | |  |  |  |  |  |
| T4 | The page layout works well in your browser – please note browser used | |  |  |  |  |  |
| T5 | The site adapts to orientation | |  |  |  |  |  |
| T6 | The website loaded quickly | |  |  |  |  |  |
| T7 | The site is usable with images disabled | |  |  |  |  |  |
| T8 | Th site has a help and support section | |  |  |  |  |  |
| T9 | The page layout works well in your browser – please note browser used | |  |  |  |  |  |
| T10 | The site adapts to orientation | |  |  |  |  |  |
| T11 | Mobile Site meets Desktop standard | |  |  |  |  |  |
| T12 | Mobile layout is easy to navigate | |  |  |  |  |  |
| **Feedback or Recommendations:** | | | | | | | |

Functional test:

用户核心需求分析：

1. 通过Workflow Max API从Workflow Max上获取job的详细数据
2. 将获取到的job 详情通过Monday.com API 同步到Monday.com
3. 通过网页程序更改工作状态后同时同步到Monday.com和Workflow Max

测试用例：