Scrum

**Product Backlog:**

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| --- | --- | --- | --- |
| ID | Item | Sprint | Priority |
| 1 | **String I\O**(the user can display and read a sequence of character form keyboard ) | **1** | **H** |
| 2 | **String random insertion/deletion** (the user can insert/delete a character in a random position in the string) | **1** | **H** |
| 3 | **Copy** (the user can copy a string into another ) | **1** | **H** |
| 4 | **Compare**(the user can compare between two string ) | **1** | **H** |
| 5 | **Substring** (the user can take a part of the string) | **2** | **H** |
| 6 | **Concatenate** (the user can merge two strings and return them as one string) | **2** | **H** |
| 7 | **Searching** (user can search for a word inside a string) | **2** | **H** |
| 8 | **Regular expressions**(the user can use regular expression to rapidly match the parts of strings) | **2** | **M** |
| **9** | **C++/C Strings** (make our data type compatible with other STL string and C standard string) | **3** | **M** |
| 10 | **To lower/upper** (allow the user to change upper to lower characters and vice-versa) | **3** | **L** |
| 11 | **Reverse** (allow the user to reverse positions of characters in the string) | **3** | **M** |
| 12 | **Extend** (the user can append a string to another string) | **3** | **L** |

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| Sprint 1 | Sprint 2 | Sprint 3 |
| PBI #1 | PBI #5 | PBI #9 |
| PBI #2 | PBI #6 | PBI #10 |
| PBI #3 | PBI #7 | PBI #11 |
| PBI #4 | PBI #8 | PBI #12 |
|  |  |  |

**Product Backlog Item of sprint 1:**

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| Title | **String I\O** |
| Assigned to | **Mohamad Gamal ,Omar Hesham** |
| State | **Active** |
| Area | **I/O** |
| Effort | **3hrs** |
| Priority | **H** |
| Business Value: | * **User can use This class instead of an array of character** |
| Iteration | **1** |

**Descrbtion:**

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| ID | **AS** | **I Want** | **So That** |
| 1 | **User** | * **To deal with string input /output easily** | * **I read / write a string successfully** |

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| **Acceptance Criteria** |
| * **Read string from keyboard successfully / write a string to the screen** |

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| Title | **String insertion/deletion** |
| Assigned to | **Mohamed Ehab , Amr Ibrahim** |
| State | **Active** |
| Area | **Accessing and Manipulating** |
| Effort | **2hrs** |
| Priority | **H** |
| Business Value: | * **User can insert/delete a character in a random position in the string** |
| Iteration | **1** |

**Descrbtion:**

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| --- | --- | --- | --- | --- |
| ID | **AS** | | **I Want** | **So That** |
| 1 | **user** | | * **To insert/delete a character** | * **Control and deal with the string** |
| Acceptance Criteria | | | | |
| * **When user can insert and delete a character in a random position within the boundaries of the string** | | | | |
| Title | | **Copy** | | |
| Assigned to | | **Amr Ibrahim** | | |
| State | | **Active** | | |
| Area | | **Copying** | | |
| Effort | | **2hrs** | | |
| Priority | | **H** | | |
| Business Value: | | * **User can copy a string into another** | | |
| Iteration | | **1** | | |

**Descrbtion:**

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| --- | --- | --- | --- |
| ID | **AS** | **I Want** | **So That** |
| 2 | **user** | * **Copy a string into another** | * **Make Duplicates of the string** |
| Acceptance Criteria | | | |
| * **Copying a string into another** | | | |
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| Title | **Compare** |
| Assigned to | **Abd el Karim Abo el Magd ,Amr Abdelrahman** |
| State | **Active** |
| Area | **Comparing** |
| Effort | **2hrs** |
| Priority | **H** |
| Business Value: | * **User can compare two sting** |
| **Iteration** | **1** |

**Description**

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| ID | **AS** | **I Want** | **So That** |
| 2 | **User** | * **Compare two strings** | * **Know if they are equal or one is bigger than the other** |

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| Acceptance Criteria |
| * **The user can compare two strings successfully** |

Team members:

1-Mohammad Ehab Zaki

2-Amr Ibrahim Mohamad

3-Mohamad Gamal Abdelhay

4-Abd el Karim Mohamad Abo el Magd

5-Amr Abd el Rahman

6-Omer Hesham Farag