Project Backlog

CSE 6324 - Agile Fall 2021

**Project name**: **Project: Personal Health Monitoring System (PHMS):**

**Team members**:

Baicheng Chen, Bo Zhang, Cunhui Zhang, Jiahui Zhu, Jin Zhang, Min Li, Tingwei Zhang

**Note:** This project consists of 3 sprints, each sprint 1 week.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sprint #** | **Story #** | **No. of days** | **Status**  **(To be Scheduled, In progress, Complete)** |
| Sprint 1 | * Registration page (Pair 1) | 1 | Complete |
| * Login (Pair 2) | 2 | ToBeScheduled |
| * Vital Signs (pair 3) | 2 | ToBeScheduled |
| Sprint 2 | * Diet (Pair 1) | 1 | ToBeScheduled |
| * Medication form (Pair 2) | 2 | ToBeScheduled |
| * Note (Pair 3) | 2 | ToBeScheduled |
| Sprint 3 | * Search (Pair 1) | 1 | ToBeScheduled |
| * Appointments (Pair 2) | 2 | ToBeScheduled |
| * Communication (Pair 3) | 2 | ToBeScheduled |

Sprint 1

**ScrumMaster:** Baicheng, Chen

**Pair 1:** {Bo Zhang, Cunhui Zhang}

**Pair 2**: {Jiahui Zhu, Jin Zhang}

**Pair 3**: {Min Li, Tingwei Zhang}

**Start Date: Monday Nov. 29, 2021 End Date: Friday Dec. 3, 2021**

**Story 1 - Registration: Enter personal information such as name, gender, age, weight, height, doctor’s name, doctor visit dates, annual checkups. Establish a user and password. (Pair 1)**

**Story 2 - Login: System should be secure: Prevent unauthorized access. (Pair 2)**

**Story 3 - Vital signs: Registering vital signs (e.g. blood pressure, glucose level, Cholesterol, …) (Pair 3)**

Sprint 2

**ScrumMaster:** Bo, Zhang

**Pair 1:** {Baicheng Chen, Cunhui Zhang}

**Pair 2**: {Jiahui Zhu, Jin Zhang}

**Pair 3**: {Min Li, Tingwei Zhang}

**Start Date: Monday Dec. 6, 2021 End Date: Friday Dec. 10, 2021**

**Story 4:** **Validate registration(Pair 1)**

Validate registration form with following criteria:

* name - should only contain upper and lower case letters
* age - should only contain numeric values
* email - must be a valid email (eg. user@domain.com)
* phone number - should only contain numeric values (length 10 characters)
* weight, height - should only contain numeric values
* username - must be unique, should only contain alphabets or numbers
* password - min 8 chars, must be a combination of alphabets, numeric and special characters
* confirm password - this value must match with the password field

**Story 5: Medication form(Pair 1)**

The medication form should allow the users to fill in the following information

* Symptom/Disease: This is filled with disease name for which the medications are prescribed by the doctor.
* Doctor name: The doctor's name should be unique for each mediation form.
* Tablet name: Any dose of oral medication that a doctor prescribes should be noted under this title.
* Injection name: Any injections by doctor should be noted under this title
* Time of consumption: What time of the day a particular tablet / injection should be consumed is noted here. Ex: Tablet ABC should be taken in morning, afternoon and night. I.e. three times a day.
* Doctor follow-up: The day and time of the next doctor follow up is to be noted.

**Story 6: Medication listing page(Pair 2)**

* Create the medication listing page that includes the listing of the medications entered by the user.
* Each list item will include the name of the doctor and the date medication was prescribed.

**Story 7: Medication History Page(Pair 2)**

The medication history page keeps track of the medical history of the patient.

The page should allow the users to keep track of the following information:

* Disease: The name of the diagnosed disease by a particular doctor.
* Doctor's name: Name of doctor who has prescribed the medicines.
* Consulted time record: Contains the time range of the medication which are to be taken under a particular doctor’s supervision.
* Medicines prescribed: List of all the medicines prescribed by that doctor.

**Story 8: Notification by alarm(Pair 3)**

* Allow the user to set the ‘consumed’ flag to true or false for the prescribed time of medication.
* If the entry is false, then the application notifies the monitoring person regarding the miss via email

**Story 9: Notify conflicting medicines(Pair 3)**

* System should keep the track of the conflicting medicines. For each medicine there can be a list of conflicting medicines.
* User enters the medicines prescribed by the doctor in the application. When user submits the medication form, system should check for the conflicting medicines.
* If the conflicting medicines exists, then the system should notify the user.

Sprint 3

**ScrumMaster:** Jin, Zhang

**Pair 1:** {Bo Zhang, Cunhui Zhang}

**Pair 2**: {Jiahui Zhu, Baicheng Chen}

**Pair 3**: {Min Li, Tingwei Zhang}

**Start Date: Monday Dec. 13, 2021 End Date: Friday Dec. 17, 2021**

**Story 10: Receive confirmation from user(Pair 1)**

After the user takes the medication and clicks confirm on his phone, the system should be able to save the confirmation for later use.

**Story 11: Communication form (Add/Edit)(Pair 2)**

* This story is the prerequisite of story 13. The communication form should contain the following fields: contact’s name, contact’s phone number, contact’s email address.
* After the user submit the form, the contact information will be stored in the database.
* The user can add a new contact by using this form. And he can also edit the form after he clicks one item of the communication list.

**Story 12: Notification by text message/email(Pair 2)**

If the user doesn’t confirm to take the medication, after a period of time, the system will send notification to user’s contact by text message or email.

**Story 13: Communication listing page(Pair 3)**

1. Create a communication listing page to show all the contacts of the user.

2. User will be able to see and edit contact after click one of the item in the list

**Burndown chart:**

Date:

Chart: