**Assignment: Pets-R-Us**

Continuation of the previous scenario: Pets-R-Us is a local pet store that offers a variety of pets for adoption. Pets-R-Us also sells a variety of pet-related products, supplies, services, and accessories. Pets-R-Us needs help with the company website. Recently Pets-R-Us expanded into dog grooming, training, and boarding services. Because of these added business services, Pets-R-Us needs help expanding its current website to market these services. It would also like to offer customers the ability to make appointments for their dogs online. Pets-R-Us just completed and sent out a Request for Proposal (RFP) to expand its website. The RFP included a high priority requirement to design and develop online appointment-making functionality so that customers could log in and schedule their dog(s) to receive these services.

Instructions: Find a partner(s) within the course to complete this exercise. Groups of two or three are acceptable.

1. **Group Activity 1**
   * One team member will assume the role of Product Owner representing the client, while the other team member assumes the UI designer/web developer role. In a team of three, the 3rd person will assume a Co-Product Owner role representing the Marketing function for the client.
   * Using the Pets-R-Us scenario as a reference, the developer must interview the Product Owner(s) to elicit and document a detailed list of three (3) or more user requirements in the form of user stories. The stories must be written in standard story format (As an x, I need y, so that z). NOTE: Requirement Elicitation Questions from the Reading & Videos section may help with the interview process.
   * The Product Owner(s) and developers should then switch roles so that everyone has a chance to serve in the developer role. NOTE: Two-person groups should generate six (6) or more user stories, while three-person groups would end up with 9 or more user stories.
   * The stories should then be ranked in priority order from 1 to n, with 1 being the highest priority.
2. **Group Activity 2**
   * Using the ranked stories from Group Activity #1, break the top two stories down into at least five (5) tasks within each story.
   * With all team members serving in a designer/developer role, work together to estimate the size of each task and the overall story in hours and in points. Do this for both of the top two stories from your prioritized list.
     1. Use the Planning Poker video as a reference for the points-based estimation process.
     2. The online Planning Poker game facilitates the sizing process when teams are remotely located.
3. **Group Activity 3**
   * Identify and agree on specific functionality within the Pets-R-Us site to use for this exercise.
   * Using requirements details learned from elicitation activities, each team member should create a wireframe design for the selected functionality (can be paper/pencil).
   * The team should review and exchange wireframes, and compare notes.
   * Are there additional changes or adjustments that should be made to the final wireframe product now that these visualizations are available? Make any necessary refinements and agree upon the final version of the wireframe to represent the team. Any drawing tool may be used, as long as the result can be included in the final document.
   * Document any challenges the team faced or any lessons learned during each group activity.
4. **Deliverables**
   * Note the names of each team member within the final assignment.
   * Combine all work products into one document and save to a .pdf prior to submission.
   * One team member can submit the assignment on behalf of the team, or each team member can submit a copy of the final assignment individually.

**Assignment Requirements and Grading:**

1. This assignment is due by **Sunday, 11:59 p.m., CST**.
2. Assignment documents (.pdf, .docx, etc.) should include your team members' names, date, and assignment number. Include a link to the "Prototyping on paper" design.
3. File naming convention: first initial, last name, assignment name. Example: rkrasso-flowchart.docx.
4. Submit your assignment by clicking on the **Assignment Link** above, then scroll down to the **Attach Files** section and click on **Browse My Computer**. Select your assignment file, add any comments as appropriate, and then click on **Submit**.
5. To view the rubric grading criteria, click on the following link: [General Assignment Grading Rubric](https://content.bellevue.edu/cst/csd/rubricgeneralassignmentv1.pdf)

**(50 points)**

**RESPONSE  
Pets-R-Us:**

**Group Activity 1:** User Stories Created and Ranked

1. As a consumer who prioritizes time efficiency, I need a simple booking process that is uncomplicated and user-friendly, so I can easily schedule my appointments.
2. As a pet owner who utilizes multiple services, I need to be able to easily switch between grooming, training, and boarding services on the Pets-R-Us website, so that I can schedule the correct services for my pet.
3. As a busy user, I need mobile appointment reminders so that I can be reminded of my scheduled appointments to avoid forgetting them.
4. As a user with an unpredictable schedule, I need the ability to cancel appointments so that I can easily handle scheduling conflicts or cancel mistaken bookings.
5. As a potential customer of Pets-R-Us, I need to be able to easily navigate the website and find information about the different pet-related products, supplies, and accessories that Pets-R-Us offers.
6. As a customer of Pets-R-Us, I need to be able to see pricing information for grooming, training, and boarding services, so that I can make informed decisions about which services to book.
7. As a busy user, I need the system to remember my preferences, so that I have the option to default to the same settings every time I book.
8. As a user with multiple pets, I need a way to track their appointments separately so that I can keep a record of each pet's upcoming appointments and easily identify which pet is due for what service.
9. As a user with low computer literacy, I need clear contact information to be displayed so that I can easily find and use the store's contact details to make a booking over the phone.

**Group Activity 2:** User Stories Tasking & Size Estimation

|  |  |  |
| --- | --- | --- |
| Tasking & Size Estimation | WORK HOURS | STORY POINTS |
| As a consumer who prioritizes time efficiency, I need a simple booking process that is uncomplicated and user-friendly, so I can easily schedule my appointments. | **61** | **46** |
| 1. Create a web form to gather information from the user pertaining to the pet and appointment being booked | 26 | 20 |
| 1. Create a database to hold scheduled appointments | 17 | 13 |
| 1. Create a date picker that shows what timeslots in the database are still available to book (to prevent overbooking). | 11 | 8 |
| 1. Create an account management system to track customers | 4 | 3 |
| 1. Create a login process (login page or prompt) | 3 | 2 |
|  | | |
| As a busy user, I need appointment reminders so that I can be reminded of my scheduled appointments to avoid forgetting them. | **13** | **15** |
| 1. Add opt-in options to the scheduling form for email, SMS reminders, and newsletter/promotions | 5 | 5 |
| 1. Automate sending SMS reminders to opted-in customers | 3 | 3 |
| 1. Automate sending email reminders to opted-in customers | 2 | 3 |
| 1. Add opt-out option to the user profile page | 2 | 3 |
| 1. Automate a list of all customers who have an appointment the next business day with phone numbers for real person reminder call | 1 | 1 |

**Group Activity 3: Functionality, Wireframe, Review and Documentation**

**Functionality for Pets-R-Us**Create a web form to gather information from the user pertaining to the pet and appointment being booked.

**Wireframe Design**Graphical user interface, application

Description automatically generated

**Documented Challenges**

Challenges we faced included switching to a mobile first design late in the process, as well as subjective taste disagreements, estimating complexity (story points and hours) of tasks we didn’t have any experience with.

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