Algorithm for building a pet care website and mobile application:

1. Define the target audience and determine the main features of the website and mobile application.
2. Create a wireframe and design the user interface (UI) and user experience (UX) for both the website and mobile application.
3. Develop the backend of the website and mobile application, including the database and server-side scripting.
4. Integrate the UI and UX designs with the backend to create a fully functional website and mobile application.
5. Implement a payment gateway for online payments.
6. Ensure that the website and mobile application are secure by implementing SSL certificates, firewalls, and other security measures.
7. Integrate the GPS tracking technology into the mobile application and website application to allow users to track their pets' movements in real-time.
8. Test the website and mobile application on different devices and operating systems to ensure compatibility.
9. Optimize the website and mobile application for search engines (SEO) and improve the loading speed.
10. Launch the website and mobile application, and ensure that it is properly marketed.
11. Provide ongoing maintenance and support, including bug fixes, updates, and new feature additions.
12. Continuously analyze user behavior and feedback to make improvements and updates to the website and mobile application.

An algorithm for a pet sitter centre:

1. Start by creating a database to store information about pets and their owners. The database should have tables for pets, owners, and appointments.
2. Create web application or mobile application for pet owners to register their pets. This web interface should include basic information such as the pet's name, breed, age, and any medical conditions or allergies and information about pet sitter.
3. Once a pet is registered, create a record for them in the database. Make sure to include the owner's contact information so you can schedule appointments and send reminders.
4. Create a scheduling system for appointments. Allow pet owners to schedule appointments online website or by phone application. The scheduling system should check for conflicts and ensure that there are no overlapping appointments.
5. Send reminders to pet owners before their appointments. This can be done via email, text message, or phone call.
6. Prepare for appointments by gathering any necessary equipment or supplies, such as grooming tools or medical equipment.
7. When a pet arrives for their appointment, check them in and make sure their information is up to date. Ask the owner if there are any concerns or changes to the pet's health.
8. Provide the service requested, such as grooming , medical treatment , pet boarding or pet sitting and document any observations or notes in the pet's record.
9. After the appointment, follow up with the owner to make sure they are satisfied with the service and schedule any necessary follow-up appointments.
10. Regularly review and update the database to ensure accuracy and completeness of information.