Iteration1

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Abstract

The following report provides an outline of the work achieved during iteration 1, and the individual contributions of each team member.

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1. Work Progress

In our initial plan we decided to focus on implementing the most important stories that involved the administrator and the sales representative. These tasks involved implementing the access control for both of these users as well as allowing them to perform basic operations on customers such as search, create, edit, view and delete.

In order to implement these tasks we searched and analysed some of the existing gems that the ruby on rails community provides. We decided to implement the Hotel Manager website using ActiveAdmin, and CanCan. ActiveAdmin is a Ruby on Rails plugin that allows developers to quickly create an admin interface and CanCan is a gem that handles authorization. ActiveAdmin allows developers to quickly create models, and it provides a clean and intuitive interface to allow administrators to manage those models.

We decided to use ActiveAdmin after weighing the pros and cons of using this gem:

Pros:

- Easy to create models (e.g., rooms, room types, etc..). This will be useful in next iterations.
- Handles authorization through the Devise gem.
- It is possible to restrict resources adding CanCan support.
- Supports pagination, search/filter-by functionality, scopes, sorts out of the box.
- Can expand controllers' functionality, and add custom views with partial forms.

Cons:

- Uses Formtastic DSL to create views (forms, sidebars, tables, etc). Steep learning-curve.
- Uses SASS to create the css stylesheets. Steep learning curve.

As one can see, the main concern with this gem was that the learning curve was going to be steeper since we had to learn how to use other gems in order to change the style of the website, and create new forms for our models. However, we concluded that the use of this gem was going to make us more efficient in future iterations because most of the future stories involve creating models and performing basic CRUD operations on these models.

It is worth mentioning that the current work was migrated to GitHub.

The production version can be found at: http://brandonkoepke.dyndns.org: 3000/admin/login. We also have an experimental reservation system which has not yet been integrated at: http://brandonkoepke.dyndns.org:3001/reservations.

Team Member	Contributions
Brandon Koepke	Initial setup for ActiveAdmin, CanCan, and Deployment.
Garrick Van Der Lee	High Level Diagram.
Alberto Saavedra	Worked on the Customer Management Module.
Julia Paredes	Finished CanCan setup, Sequence Diagram.
Tyler Gibb	Reviewed the Customer Management Module.
Justin Milanovic	Domain Level Diagram, Reservation System, Schema Dia-
	gram, ER Diagram.

Table 1: Individual Progress

2. Conclusion

Although the work achieved in this iteration 1 was minimal, it allowed the team to become familiar and comfortable with the agile principles practiced in the development and estimation of the user stories. This iteration was definitely a cornerstone for the future iterations and for the whole team.

3. Appendix

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Figure 1: Release Plan

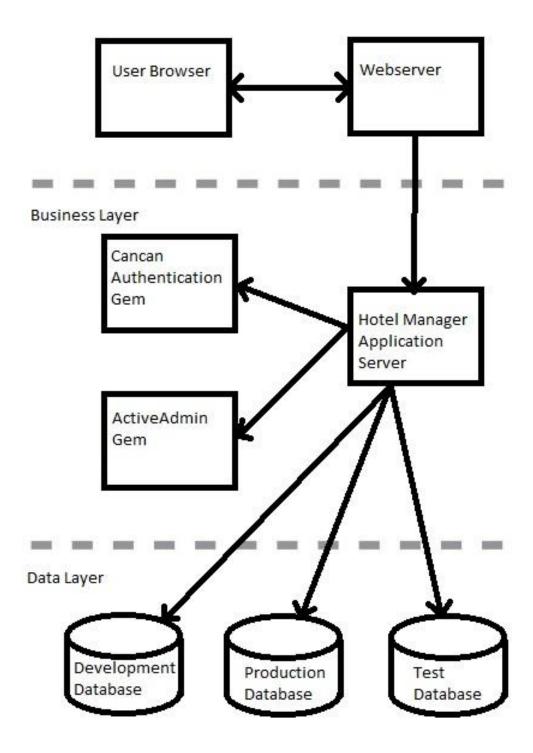


Figure 2: High Level Technology Diagram

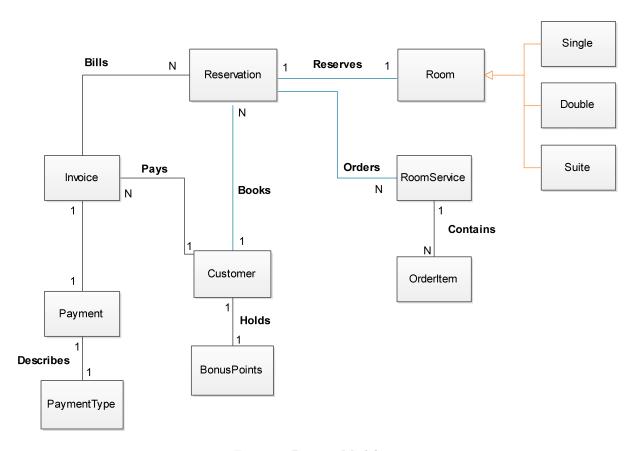


Figure 3: Domain Model

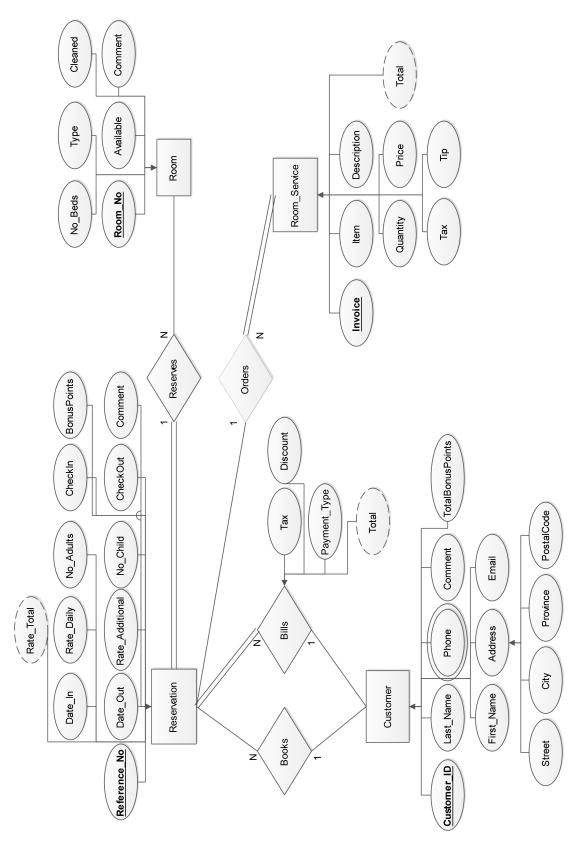


Figure 4: ER Diagram 7

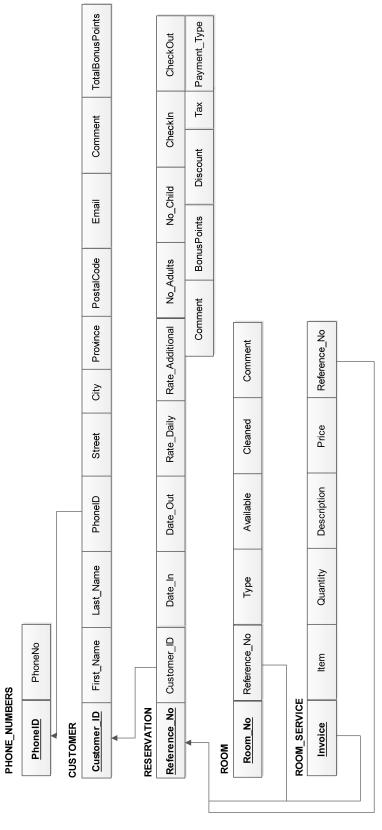


Figure 5: Schema Diagram 8

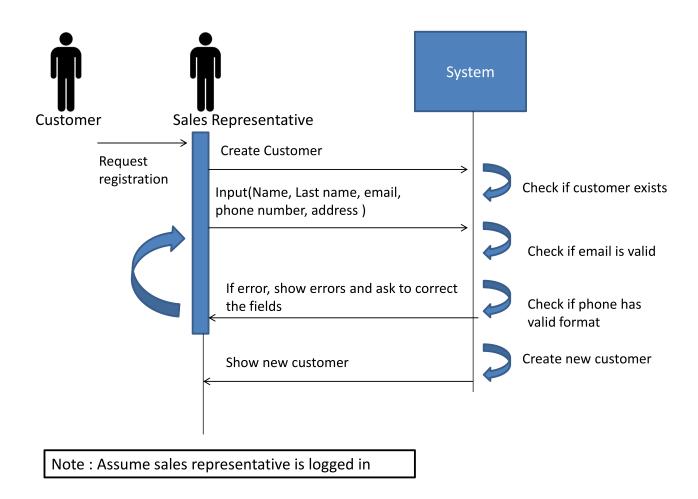


Figure 6: Sequence Diagram