



**North South University**

Department of Electrical & Computer Engineering

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Section: 5

Group Number: 1

Submitted To: Dr. Razib Hayat Khan

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Student Name	ID
Foyez Ahmed	2013122642
Reem Gazi Mahmud Hossain	2014264642
Sadia Hassan Chowdhury	2014105642
Yeamin Mahmud	2011372642

**Project Title: Location recommendation System**

## User Story

<b>Title:</b> Sign up (General User)	<b>Priority:</b> Very High	<b>Estimate:</b> 1-2 weeks
<p><b>As a</b> <i>general user</i></p> <p><b>I want to</b> sign up</p> <p><b>so that I can</b> have an account</p>		
<p><b>Acceptance criteria</b></p> <p><b>Given</b> <i>email, password, NID, and house location.</i></p> <p><b>When</b> system stores it to its database</p> <p><b>Then</b> rentee can sign in to his/her account</p> <p><b>Platform:</b> Any Browser from mobile phone, Windows and MAC</p> <p><b>Language/framework:</b> HTML, CSS, Django, MySQL</p>		

## User Story

<b>Title:</b> Log in System	<b>Priority:</b> Very High	<b>Estimate:</b> 3-4 weeks
<p><b>As</b> an admin, or a general user</p> <p><b>I want to</b> log in to portal</p> <p><b>so that I can</b> view my profile</p>		
<p><b>Acceptance criteria</b></p> <p><b>Given</b> <i>email and password</i></p> <p><b>When</b> system can cross check user's email and password with stored database</p> <p><b>Then</b> if it matches, user can log into his/her account</p>		
<p><b>Platform:</b> Any Browser from mobile phone, Windows and MAC</p> <p><b>Language/framework:</b> HTML, CSS, Django, MySQL</p>		

## User Story

<b>Title:</b> Sending confirmation messages	<b>Priority:</b> High	<b>Estimate:</b> 3 weeks
<p><b>As</b> an admin</p> <p><b>I want to</b> send confirmation mail to a newly created user</p> <p><b>so that they can</b> verify his/her identity.</p>		
<p><b>Acceptance criteria</b></p> <p><b>Given</b> <i>sign up information from user</i></p> <p><b>When</b> system adds to its database</p> <p><b>Then</b> send a confirmation message to user's mail.</p>		
<p><b>Platform:</b> Any Browser from mobile phone, Windows and MAC</p> <p><b>Language/framework:</b> HTML, CSS, Django, MySQL, Third party app</p>		

## User Story

<b>Title:</b> Advertisement Sharing	<b>Priority:</b> High	<b>Estimate:</b> 4-5 weeks
<p><b>As a</b> general user</p> <p><b>I want to</b> share pictures of the rental places</p> <p><b>so that I can</b> provide the insights of the apartment</p>		
<p><b>Acceptance criteria</b></p> <p><b>Given</b> <i>pictures and information</i></p> <p><b>When</b> system adds to its database</p> <p><b>Then</b> shows a post to the users</p>		
<p><b>Platform:</b> Any Browser from mobile phone, Windows and MAC</p> <p><b>Language/framework:</b> HTML, CSS, Django, MySQL</p>		

## User Story

<b>Title:</b> Reviews and Ratings	<b>Priority:</b> High	<b>Estimate:</b> 4 weeks
<p><b>As a</b> general user</p> <p><b>I want to</b> post reviews and ratings to the places that I rented</p> <p><b>so that I can</b> help others to select their accommodation</p>		
<p><b>Acceptance criteria</b></p> <p><b>Given</b> <i>posts on renting houses</i></p> <p><b>When</b> system adds to its database</p> <p><b>Then</b> other users can view and provide feedback in this specific forum</p>		
<p><b>Platform:</b> Any Browser from mobile phone, Windows and MAC</p> <p><b>Language/framework:</b> HTML, CSS, Django, MySQL</p>		

## User Story

<b>Title:</b> Filtering and Sorting	<b>Priority:</b> High	<b>Estimate:</b> 3-4 weeks
<p><b>As a</b> general user</p> <p><b>I want to</b> find a suitable place based on some criteria</p> <p><b>so that I can</b> rent a place</p>		
<p><b>Acceptance criteria</b></p> <p><b>Given</b> <i>location address</i></p> <p><b>When</b> system analyses data from database (addresses) with keyword</p> <p><b>Then</b> system shows result</p>		
<p><b>Platform:</b> Any Browser from mobile phone, Windows and MAC</p> <p><b>Language/framework:</b> HTML, CSS, Django, MySQL</p>		

## User Story

<b>Title:</b> Location tracking	<b>Priority:</b> High	<b>Estimate:</b> 5-6 weeks
<b>As a</b> general user  <b>I want to</b> find nearby rental houses  <b>so that I can</b> stop by and check it		
<b>Acceptance criteria</b>  <b>Given</b> <i>location access</i>  <b>When</b> system can track the user's current location  <b>Then</b> system allows the user to input their desired location.		
<b>Platform:</b> Any Browser from mobile phone, Windows and MAC  <b>Language/framework:</b> HTML, CSS, Django, MySQL, Third party services		



## User Story

<b>Title:</b> Recommendation System	<b>Priority:</b> High	<b>Estimate:</b> 4-5 weeks
<b>As a</b> general user  <b>I want to</b> get notified about suggested places  <b>so that I can</b> quickly locate a place to live		
<b>Acceptance criteria</b>  <b>Given</b> <i>user's profile, location and search history</i>  <b>When</b> system analyses user's data  <b>Then</b> system can provide personalized recommendations		
<b>Platform:</b> Any Browser from mobile phone, Windows and MAC  <b>Language/framework:</b> HTML, CSS, Django, MySQL		