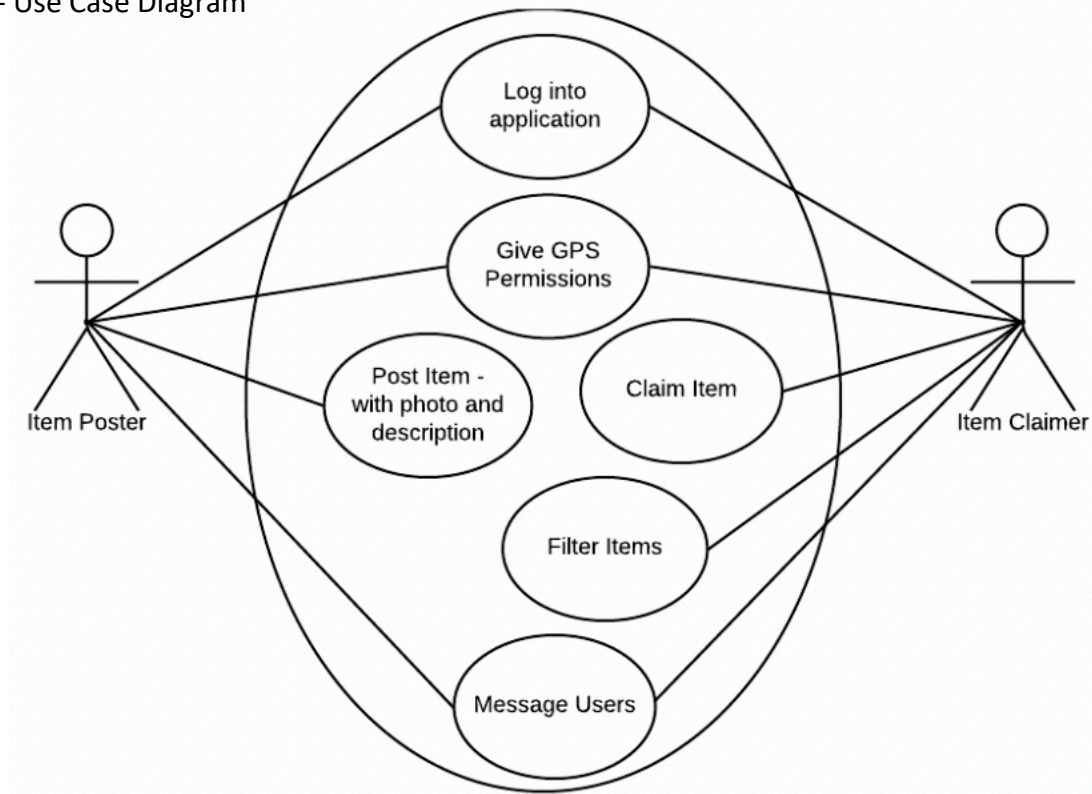


- Use Case Diagram

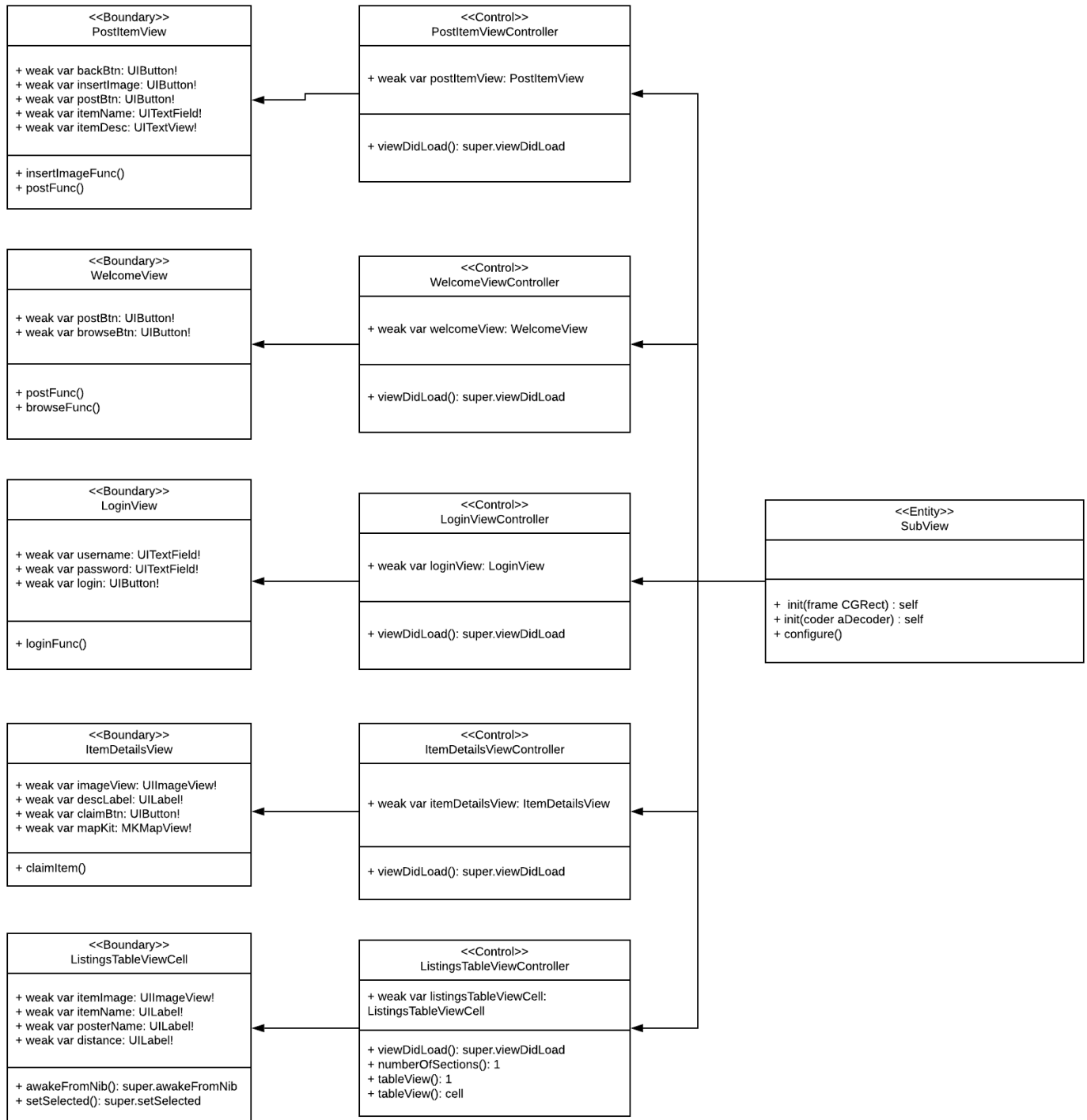


- Use Case Descriptions

<b>Use Case:</b> Claim Item
<b>Primary Actors:</b> Item Claimer
<b>Goal in Context:</b> To claim an item that has been posted.
<b>Precondition:</b> System fully configured, and actor is logged into their account.
<b>Trigger:</b> The actor wants to claim an item that was posted.
<b>Scenario:</b> <ol style="list-style-type: none"> <li>1. Actor clicks browse items button on home screen.</li> <li>2. Actor taps on item they want from listings.</li> <li>3. Actor taps the claim item button on the item's page.</li> <li>4. Actor is prompted to message the user who posted.</li> </ol>
<b>Exceptions:</b> <ol style="list-style-type: none"> <li>1. Item has already been claimed or otherwise unavailable.</li> </ol>
<b>Priority:</b> High. Vital to project.
<b>When Available:</b> First increment.
<b>Frequency of Use:</b> Often.
<b>Channel to Actor:</b> iOS device and internet connection.
<b>Secondary Actors:</b> None.
<b>Open Issues:</b> Creating own API and dealing with database to make this work.

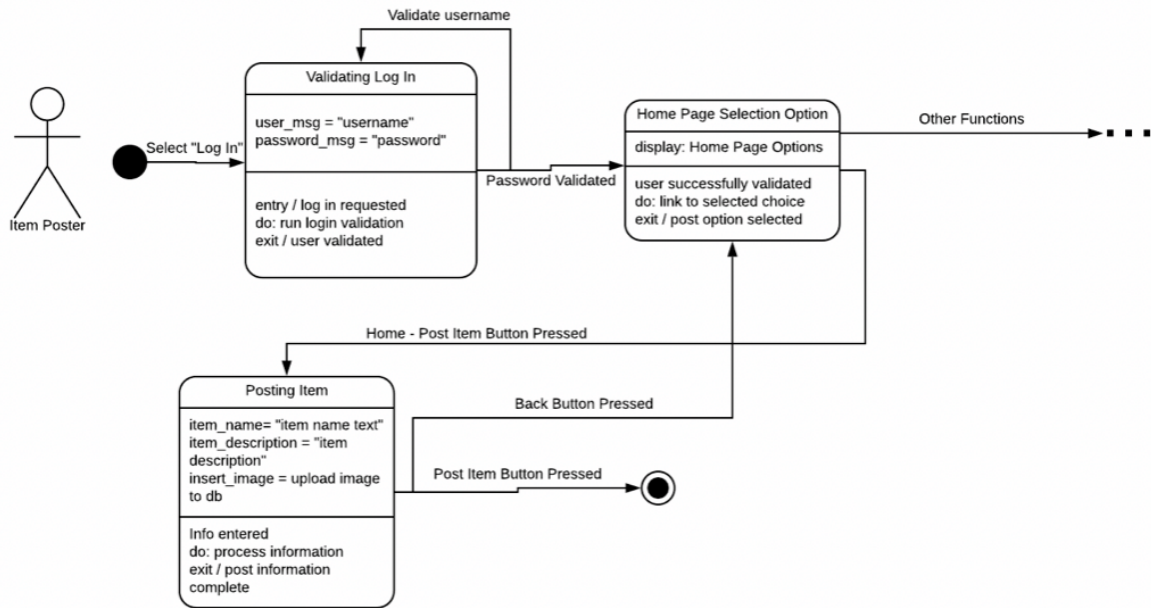
<b>Use Case:</b> Post Item with Photo and Description
<b>Primary Actors:</b> Item Poster
<b>Goal in Context:</b> Create and upload a post with a photo and description of an item being given away.
<b>Precondition:</b> System fully configured, and actor is logged into their account.
<b>Trigger:</b> The actor wants to post a new item to be given away.
<b>Scenario:</b> <ol style="list-style-type: none"> <li>1. Actor clicks the post item button on the home screen.</li> <li>2. Enter item name.</li> <li>3. Insert picture.</li> <li>4. Enter description.</li> <li>5. Press post button.</li> </ol>
<b>Exceptions:</b> <ol style="list-style-type: none"> <li>1. Invalid picture.</li> <li>2. Invalid item name.</li> <li>3. Invalid item description.</li> </ol>
<b>Priority:</b> High. Vital to project.
<b>When Available:</b> First increment.
<b>Frequency of Use:</b> Often.
<b>Channel to Actor:</b> iOS device and internet connection.
<b>Secondary Actors:</b> None.
<b>Open Issues:</b> Creating own API and dealing with database to make this work.

## - Detailed Design Class Diagram

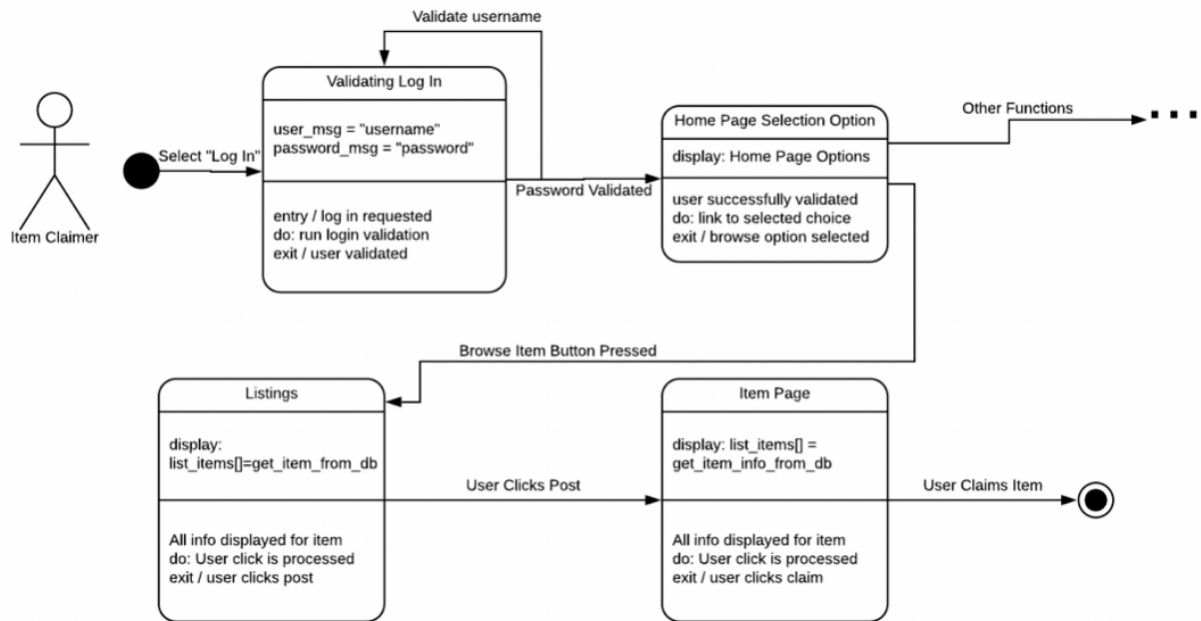




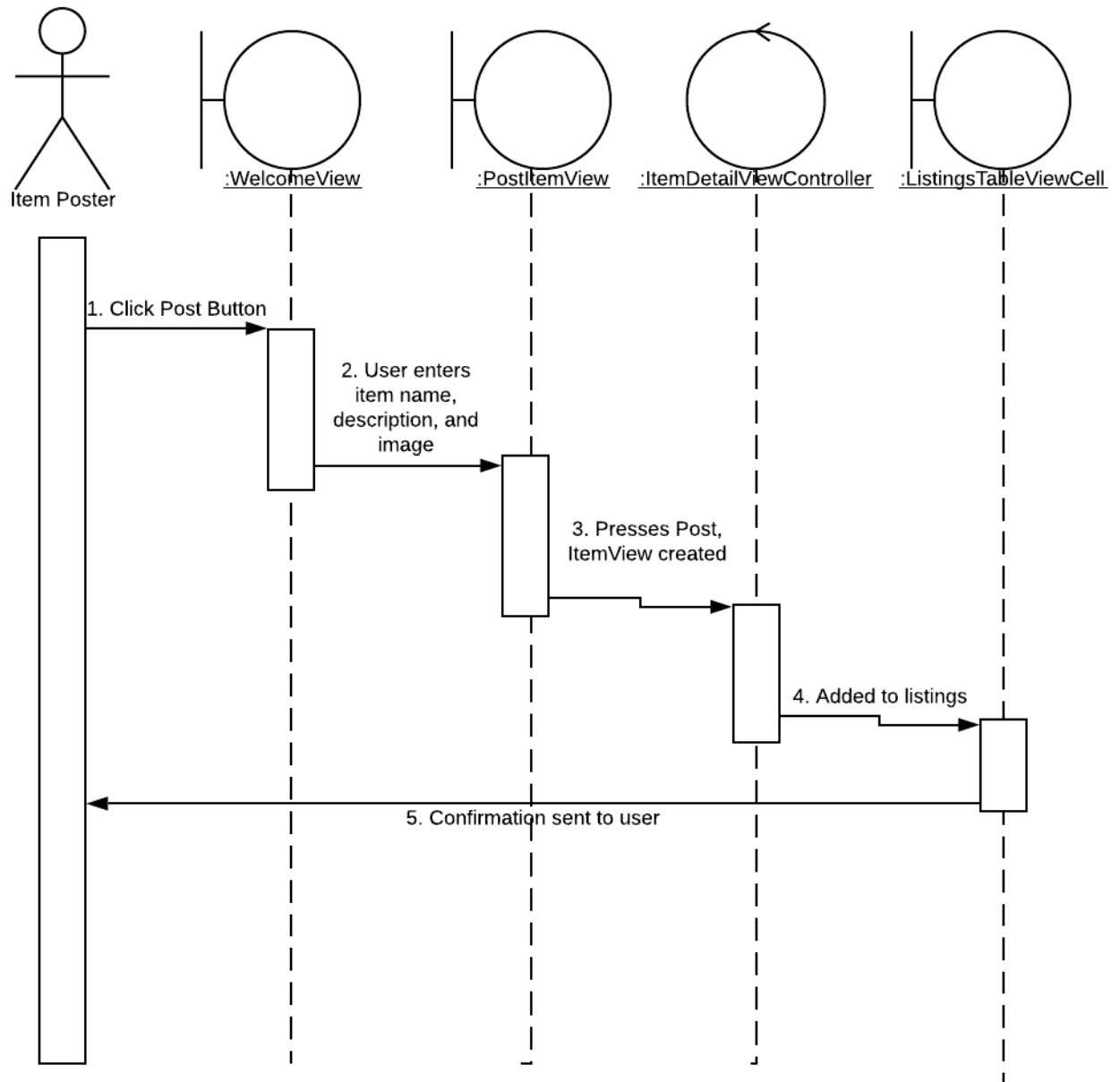
## - Item Poster Statechart



## - Item Claimer Statechart



- Item Poster SSD



- Item Claimer SSD

