

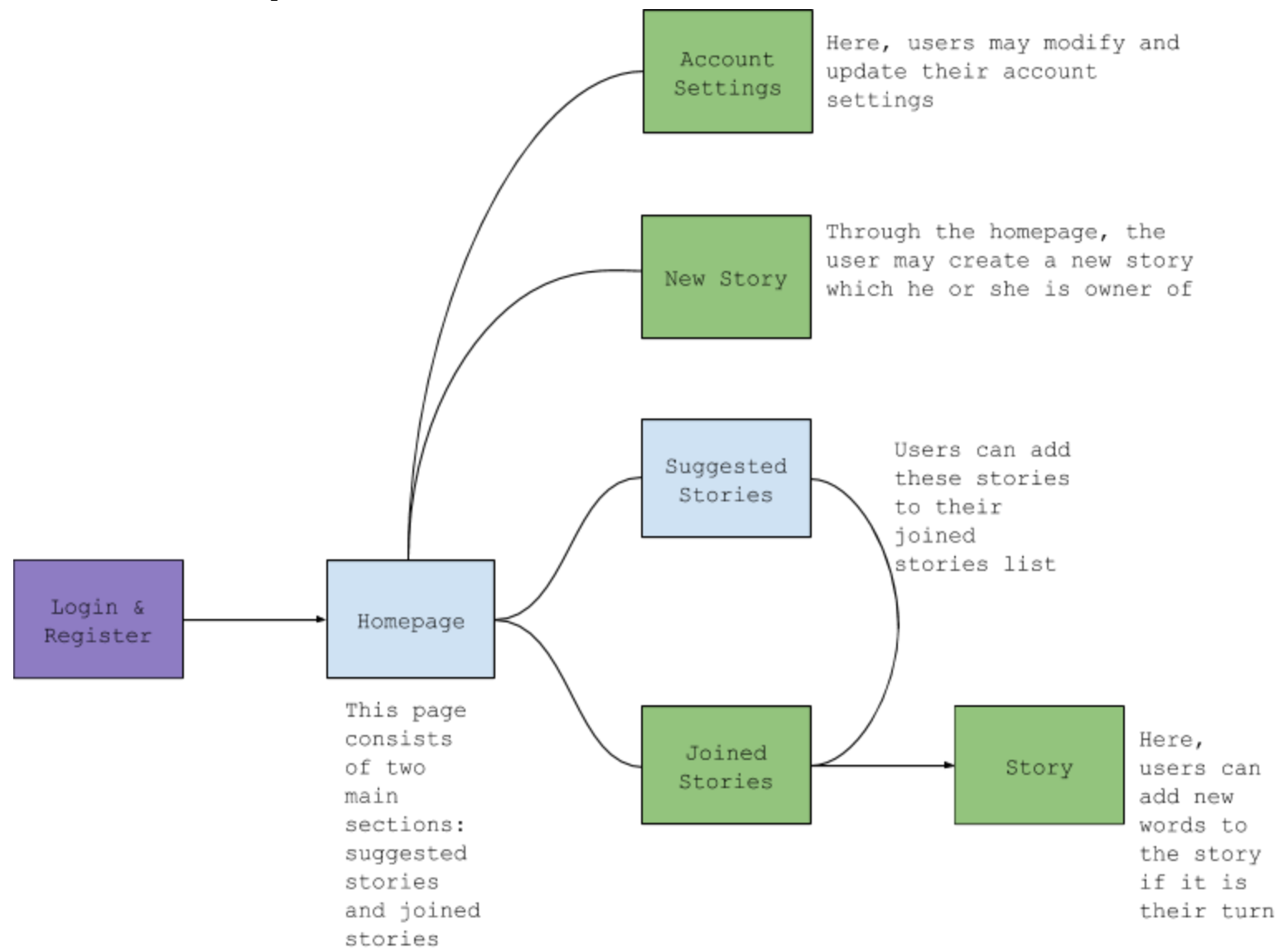
RED SQUADRON:  
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#### Component Summary

- Login/Register: redirects to homepage or login depending on input (which submit button)
- Homepage: Redirects the user to different stories that are marked public or private
  - Users can also create new stories
    - Public stories show up on the "suggested" portion of the user's homepage
  - Homepage also shows the stories that the user has joined
  - Both of these (suggested stories and joined stories) are divided into two sections split horizontally across the screen
    - Suggested stories only displays the story names and the latest update to that story
      - User can click a button below to join that story
    - Joined stories will feature a link where you can go read the full story created so far which includes the latest update to that story

- Buttons (located at the top of homepage):
  - Manage joined and suggested stories
  - "Create a new story" button
  - Manage account settings
- Templates: Loads stories based using data from a database into a template. This is loaded when users click on the related joined story link mentioned above
  - Suggest/Joined Story Template:
    - Header as the title of the story taken from database
    - Location of where stories displayed depends on whether the user has joined
    - Buttons appear depending on whether the user wants to remove stories
  - Login Template (same as previous project)
  - Account Settings Template:
    - Retrieves account info from database
  - Story Template (creation of story):
    - Additional textbox for title
    - Textbox for contribution
  - Story Template (addition to the story):
    - Retrieves last contribution and whether the user has contributed yet
    - Textbox for contribution
    - Submit button depends on whether the user has contributed
- Submission page: Users go here when they want to contribute to a story
  - This page will have the latest update to all the stories currently created and a small textbox underneath where users can contribute.
  - There will be a submit button underneath that will only send info if the user has not contributed to that story already
- Databases for storing and accessing information (explained in depth below)

## Site Map:



## Database Schema:

- Contributors table
  - This would have the contributor username and ID
- Story table
  - This table would have the initial story text, the name of the story, an array of user IDs, integer to represent whose turn it is (this will revert to 0 once the user has surpassed the boundaries of the array) who have joined the story, along with the contributor ID of who created it
- Reach goals: rating for story

- Contribution table
  - Individual entry would have a contributor ID, story ID, timestamp, text contributed
    - Reach goals: rating for contribution, character limit for contributions
  - Will check before allowing entries to be made if it is contributor's turn to add text
  - Last entry should be readily accessible so that it can be quickly and easily displayed on the home page
- Comment table
  - This would have the contributor ID of the commenter, story ID the comment is on, the comment text, and timestamp
- Log-in/Registry table
  - Standard log-in that we've already experienced in doing
  - Username included
  - Hashed passwords

Optional Tasks - Ambitious Features we would like to implement but cannot guarantee

- Automatic refreshing in the story pages once in every few seconds to check whether another user has added a word to a story
- Upvotes, downvotes for stories (can be viewed in the suggest stories page)
- Private stories that owner can create
  - Other users can be added by the user by their username
  - Boolean would be added to the story database stating whether it is private or public (true for public)
- Limit on the amount of contributors in a given story
  - Set by the user (would be stored as an integer in story database)
- User receives notifications whenever they are added to another story
  - Requires another database

Project assignments:

Lorenz (Project Manager): Responsible for the functionality of stories and their contributions

Richard: Responsible for commenting functions, login/registration functionality and anything related to sessions

Will: In charge of front-end tasks such as html templates, css styling and possible javascript functionality