Team:

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Title: RoutineMe

Project Summary: A social workout service where fitness geared individuals can upload, share, view, and vote on submitted workout routines. Casual users as well as certified personal trainers can create custom tailored routines with a multitude of different customizable options.

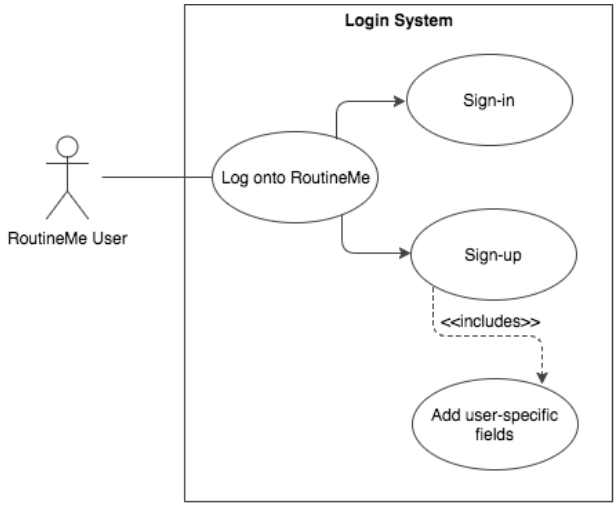
Project Requirements:

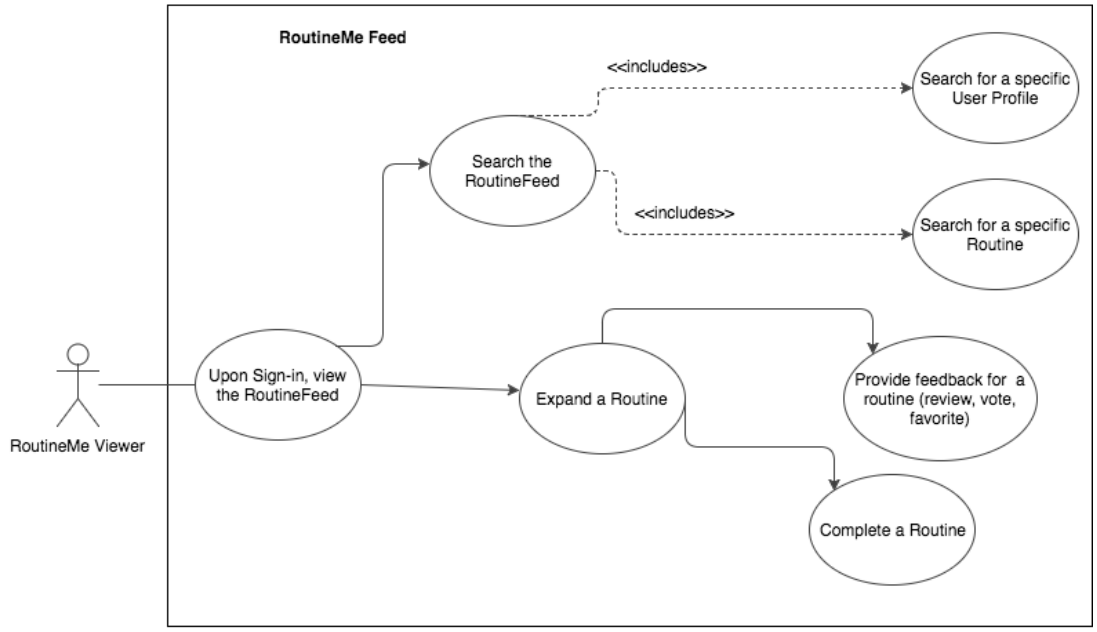
User Requirements				
ID	**Requirement**	**Topic Area**	**Actor**	**Priority**
UR-01	A non-registered user must create an account before logging into the service.	Authentication	All Users	Critical
UR-02	A registered user must be logged in before accessing the home page.	Authentication	All Users	Critical
UR-03	Upon successful login a user must be directed to his or her personalized RoutineFeed.	Navigation	All Users	Critical
UR-04	A viewer must be able to filter their RoutineFeed based on pre-defined categories.	Sorting Feature	Viewers	High
UR-05	A viewer must be able to search for other users.	Sorting Feature	Viewers	Medium
UR-06	A viewer must be able to search for routines based on keywords.	Sorting Feature	Viewers	High
UR-07	A creator must be able to draft their routine.	Creation	Creators	High
UR-08	A creator must be able to submit their routine to the RoutineFeed.	Submission/Upload	Creators	High
UR-09	A viewer must be able to vote on	Feedback	Viewers	Medium

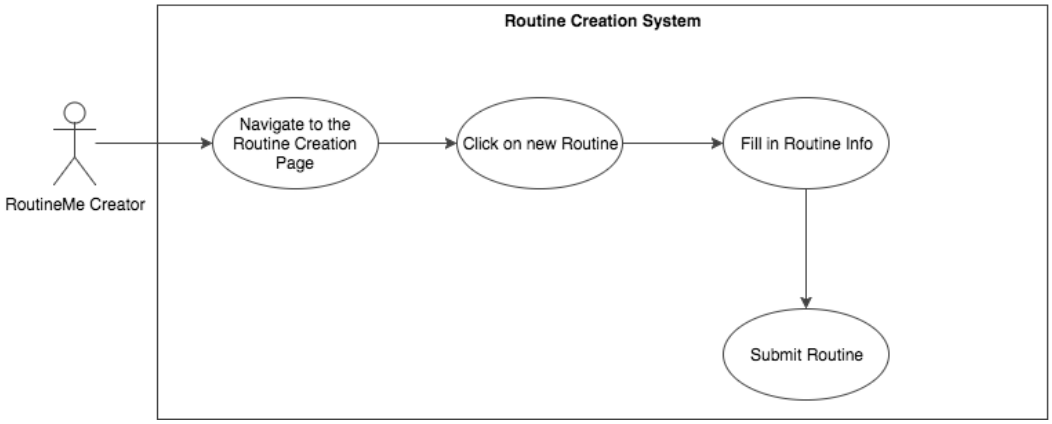
	a routine after selecting the routine.			
UR-10	A viewer must be able to follow a routine after selecting the routine.	Feedback	Viewers	Medium
UR-11	A viewer must be able to provide a review (post a comment) for a routine.	Feedback	Viewers	Low

Non-Functional Requirements			
ID	**Requirement**	**Topic Area**	**Priority**
NFR-01	User data must not be lost when signing out of the service	Reliability	Critical
NFR-02	The service must be reasonably responsive to user interaction.	Performance	High
NFR-03	The service must be available on most browsers.	Availability	High
NFR-04	The service must be live 24/7	Availability	High

Use Cases:


Login System
Sign-in
Log onto RoutineMe
RoutineMe User
Sign-up
<<includes>>
Add user-specific fields


RoutineMe Feed
<<includes>>
Search for a specific User Profile
Search the RoutineFeed
<<includes>>
Search for a specific Routine
RoutineMe Viewer
Upon Sign-in, view the RoutineFeed
Expand a Routine
Provide feedback for a routine (review, vote, favorite)
Complete a Routine


Routine Creation System
RoutineMe Creator
Navigate to the Routine Creation Page
Click on new Routine
Fill in Routine Info
Submit Routine

UI Mockups:

https://www.figma.com/file/h5Pf2O5zOvFncHiJPUAEnq/RoutineMe
(This link allows anyone to view our UI Mockup from Figma)

Data Storage:

RoutineMe will implement a MySQL database to store all of the data used by the app. All of the attributes of the users and routines will be stored in their own tables with each attribute making up its own column of the table. The routine class will have a table which will contain tuples with each attribute of the class. Getter methods will access the table to view and setter methods will access to change or add tuples. Routines will be stored with a unique id number to identify individual routines easily and have a key to access specific routines. As users create routines, the new routine will be assigned a routine id and the user's id will be saved under a “createdBy” column.

The user table will contain tuples for all of the information displayed on each user profile. Each user has a unique user id number that will be used within the table to identify each user. All routines favorited by users will be stored within the table by routine id numbers. Protected columns of this table will store each user’s login information. This table will be accessed with the special permission required to validate this information per user login attempt.

A review table will be used to store information on the many reviews created by viewers. Each review contains an author, date created, and content text. These tuples will be stored with routine and author being stored as their specific routine id and user id numbers.

Class Diagram: