frame

User

- userName: String
- memesCreated: ArrayList <meme>
- memesViewed: ArrayList <meme>

+ setUserName (String): void
+ getUserName: String
+ setMemesCreated (ArrayList <Meme>): Void
+ getMemesCreated: ArrayList <Meme>
+ setMemesViewed (ArrayList <Meme>): ArrayList <Meme>
+ rateMeme (Meme , int): void
+ createMeme (BackgroundImage, String): Meme
+ deleteMeme (Meme): boolean
+ shareMeme (Meme, Feed): void
+ rateNextMemeFromFeed (Feed, int): void
+ calculateReputation (double = 0.0): void
+ toString: String
+ equals (Object): boolean

BackgroundImage

- imageFileName: String
- title: String
- description: String

+ setImageFileName (String): void
+ getImageFileName: String
+ setTitle (String): void
+ getTitle: String
+ setDescription (String): void
+ getDescription: String
+ toString: String
+ equals (Object): boolean

Rating

- score: int
- user: User

+ setScore (int): void
+ getScore: int
+ setUser (User): void
+ getUser: User
+ toString: String
+ equals (Object): boolean

Feed

- memes: ArrayList <Meme>

+ setMemes (ArrayList <Meme>): void
+ getMemes: ArrayList <Meme>
+ getNewMeme (User): Meme
+ toString: String

Meme

- creator: User
- backgroundImage: BackgroundImage
- ratings: Rating[]
- caption: String
- captionVerticalAlign: String
- shared: boolean

+ setCreator (User): void
+ getCreator: User
+ setBackgroundImage (BackgroundImage): void
+ getBackgroundImage: BackgroundImage
+ setRatings(Rating[]): void
+ getRatings: Rating[]
+ setCaption(String): void
+ getCaption: String
+ setCaptionVerticalAlign(String): void
+ getCaptionVerticalAlign: String
+ setShared(boolean): void
+ getShared: boolean
+ addRating (Rating): boolean
+ calculatingOverallRating: double
+ toString: String
+ equals (Object): boolean