A8: Vertical prototype

The Vertical Prototype includes the implementation of some simple user stories, aiming to validate the presented architecture presented, while simultaneously gaining familiarity with the technologies being used. It includes work on all layers of the solution's proposed architecture: user interface, business logic and data access. It includes the implementation of visualization, insertion, editing and removal of information (with respectively associated success/error messages), as well as control of access permissions in some of the resources.

Below is the specification of the User Stories and Web Resources implemented in **Presto** in the context of the Vertical Prototype.

1. Implemented Features

1.1. Implemented User Stories

1.1.1. User

User story reference	Name	Priority	Description
US11	About page	high	As an *User*, I want to access the about page, so that I can learn more about the project and its team.

1.1.2. Visitor

User story reference	Name	Priority	Description
US21	Log in	high	As a *Visitor*, I want to authenticate into the system, so that I can participate actively.
US22	Sign up	high	As a *Visitor*, I want to register into the system, so that I can later log in.

1.1.3. Member

User story reference	Name	Priority	Description
US33	Comment	high	As a *Member*, I want to register a comment to a question or answer, so that I can manifest my opinion.
US37	Follow	high	As a *Member*, I want to follow a topic, so that I can be notified whenever there's an update.
US38	Unfollow	high	As a *Member*, I want to unfollow a topic, so that i'm no longer notified when there is new activity in it.
US39	Score	high	As a *Member*, I want to see my overall score, so that I can reflect on my contributions.
US310	Log out	high	As a *Member*, I want to log out of my account, so that no one else has access to it.
US311	Follow user	high	As a *Member*, I want to follow another user, so that I can be notified of their activity.
US312	Unfollow user	high	As a *Member*, I want to unfollow another user, so that I am no longer notified of their activity.
US313	Statistics	medium	As a *Member* I want to check my content's statistics (e.g., number of views, ratings), so that I can analyze my activity.

1.1.4. Owner

User story reference	Name	Priority	Description
US43	Profile	high	As an *Owner*, I want to edit my account, so that I can update my account information.

1.1.5. Moderator

1.1.6. Administrator

1.2. Implemented Web Resources

Module M01: Authentication and Static Pages

Web resource reference	URL
R101: Login Form	/login
R102: Login Action	POST /login
R103: Logout Action	POST /logout
R104: Sign up Form	/signup
R105: Sign up Action	POST /signup
R106: About	/about
R107: 404	/404

Module M02: Members

Web resource reference	URL
R201: View Profile	/profile/{username}
R202: Edit Profile Form	/profile/edit
R204: Edit Profile Action	PUT /profile/{username}
R205: View Followers	/profile/{username}/followers
R206: View Followings	/profile/{username}/following
R207: Follow/unfollow Member API	PUT /api/member/{username}/toggle-follow
R208: View Settings	/settings
R209: Edit E-mail API	PUT /api/members/{username}/settings/email
R210: Edit Password API	PUT /api/members/{username}/settings/password

Module M03: Content (Questions, Answers and Comments)

Web resource reference	URL
R301: View Question	/questions/{id}
R309: View Answer	/questions/{question_id}/answers/{answer_id}
R317: Add Comment	PUT /api/comments/{question_id/answer_id}

Module M04: Topics

Web resource reference	URL
R401: View Topic	/topic/{name}
R408: Follow/unfollow Topic API	PUT /api/topics/{name}/toggle-follow

2. Prototype

Presto's vertical prototype is available at http://lbaw1725.lbaw-prod.fe.up.pt/

Access credentials:
Regular Member:
(email, password) = (antonioalmeida@gmail.com, randompassword@99)

Moderator Member:
(email, password) = (diogo.rey@gmail.com, piroxenas@99)

The full source code is avalable at https://github.com/antonioalmeida/lbaw1725/tree/proto

Revision history

Changes made to the first submission:

1. Added policies for moderator.
2. Corrected error display in case of multiple errors.

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