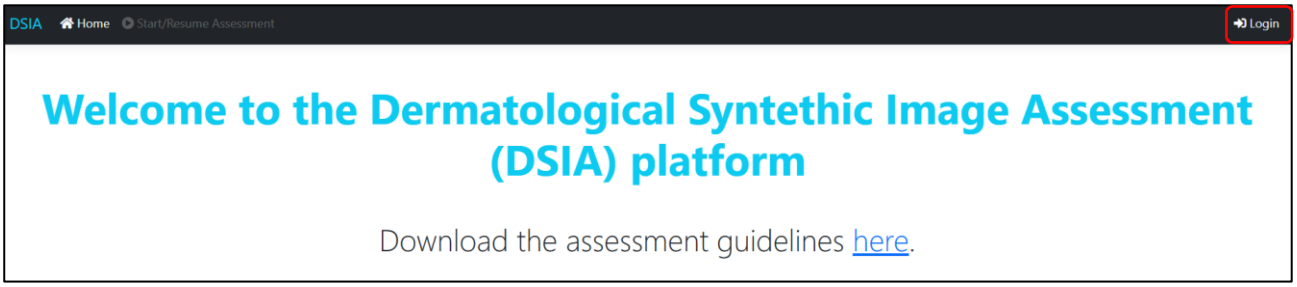
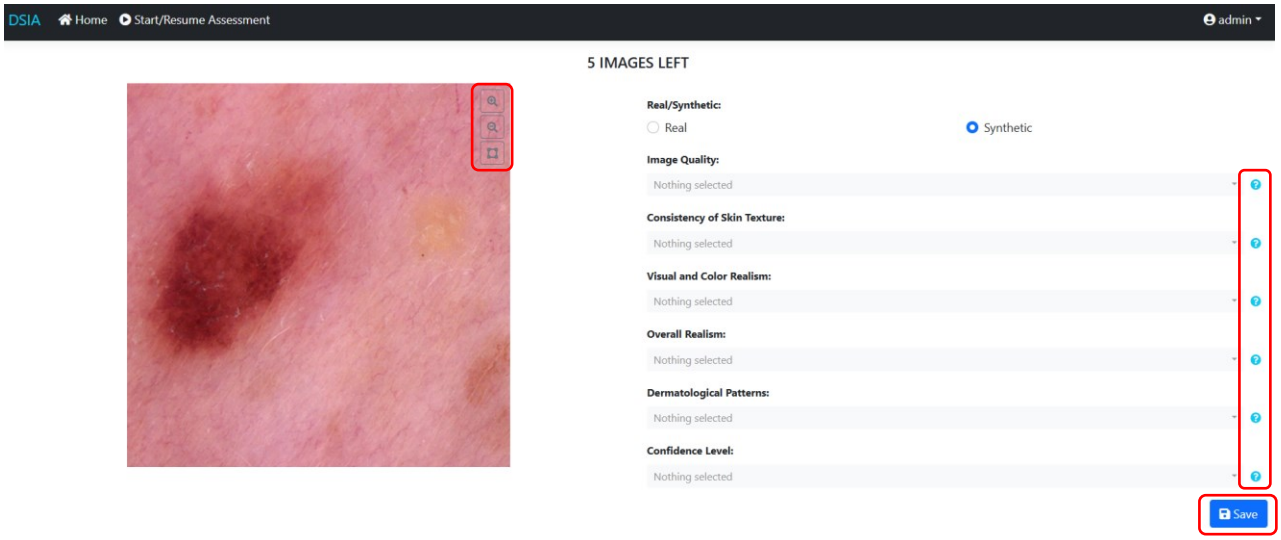
UNIVERSITÀ DI SIENA
1240

Dermatological Syntethic Image Assessment



- The web platform is reachable at https://webser.dcb.unisi.it.
- The web platform is compatible with the most common desktop and mobile browsers.
- Users must log in to the platform with the provided credentials (username and password) by clicking on the Login button on the top-right corner of the screen.
- The platform uses cookies to store information about the logged user. Cookies are stored on the server for 24 hours, after which the user must log again to the platform.
- Once logged in, users must click on the Start/Resume Assessment button in the top navigation bar to start a new assessment or resume one from the last saved image.
- Users can log out of the platform anytime. The assessment will resume from the last image at the next login.

UNIVERSITÀ
DI SIENA
1240



- Each user must assess 50 dermatological body images of malignant melanoma. Some of them are real dermatological images while others are synthetic. The number of each sample is unknown to the user.
- Images are shown randomly to each user so that different users have different orders of images.
- In the assessment webpage, the number of images left (i.e., not yet assessed) is shown at the top of the screen. The image is displayed on the left side of the screen. Users can zoom and pan the image to explore it better. The requested parameters for assessment are shown on the right side of the screen (the order of the controls could change on small screens or smartphones).
- For each image, users must classify whether the provided image is real or synthetic by choosing the corresponding option. Afterwards, assessments of **Image Quality**, **Consistency of Skin Texture**, and **Visual and Color Realism** are also required on a 7-point scale. Users must also evaluate the presence of 16 **Dermatological Patterns** by choosing one or more than one (if needed) option in the related dropdown.
- If an image is classified as synthetic, an additional assessment of the **Overall Realism** is also required on a 7-point scale.
- Finally, users must give an evaluation of their **Level of Confidence** related to the provided global assessment, still on a 7-point scale.
- Users can access additional explanations on each entry of the parameters related to the assessment by clicking on the question mark button located on the right side of each dropdown.
- Once the assessment for the current image is completed, users must click on the Save button on the bottom right side of the screen to save and store the answers. The next image is then automatically loaded.
- Once an evaluation is saved, it cannot be edited anymore.
- Once a user has assessed all the provided 50 images, the evaluation is completed.