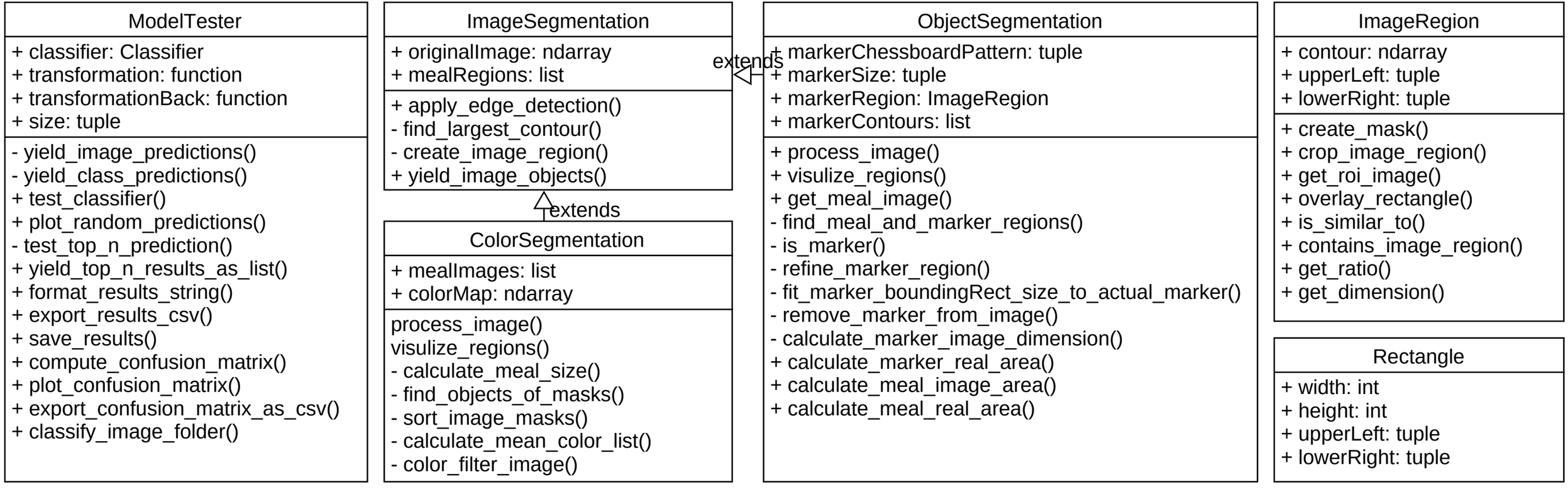
ModelTester
+ classifier: Classifier
+ transformation: function
+ transformationBack: function
+ size: tuple
- yield_image_predictions()
- yield_class_predictions()
+ test_classifier()
+ plot_random_predictions()
- test_top_n_prediction()
+ yield_top_n_results_as_list()
+ format_results_string()
+ export_results_csv()
+ save_results()
+ compute_confusion_matrix()
+ plot_confusion_matrix()
+ export_confusion_matrix_as_csv()
+ classify_image_folder()
ImageSegmentation
+ originalImage: ndarray
+ mealRegions: list
+ apply_edge_detection()
- find_largest_contour()
- create_image_region()
+ yield_image_objects()
extends
ColorSegmentation
+ mealImages: list
+ colorMap: ndarray
process_image()
visulize_regions()
- calculate_meal_size()
- find_objects_of_masks()
- sort_image_masks()
- calculate_mean_color_list()
- color_filter_image()
extends
ObjectSegmentation
+ markerChessboardPattern: tuple
+ markerSize: tuple
+ markerRegion: ImageRegion
+ markerContours: list
+ process_image()
+ visulize_regions()
+ get_meal_image()
- find_meal_and_marker_regions()
- is_marker()
- refine_marker_region()
- fit_marker_boundingRect_size_to_actual_marker()
- remove_marker_from_image()
- calculate_marker_image_dimension()
+ calculate_marker_real_area()
+ calculate_meal_image_area()
+ calculate_meal_real_area()
ImageRegion
+ contour: ndarray
+ upperLeft: tuple
+ lowerRight: tuple
+ create_mask()
+ crop_image_region()
+ get_roi_image()
+ overlay_rectangle()
+ is_similar_to()
+ contains_image_region()
+ get_ratio()
+ get_dimension()
Rectangle
+ width: int
+ height: int
+ upperLeft: tuple
+ lowerRight: tuple