Assessment model (Rubrics) for Web Programming PHP, term 2.3

Each part will be graded with a maximum number of points. Each part has its own grading rubric (see pages below). The part will be graded with a letter:
I (insufficient), **D** (doubtful), **S** (sufficient), **G** (good), **E** (excellent) which can be translated to points which, in turn, result in a final grade.

Part / functionality	Corresponding learning objective	Maximum number of points possible
A. The application uses JavaScript to enhance the user experience.	*Javascript / Canvas*	15
B. The application uses a cronjob to schedule certain important tasks.	*I/O; Working with files*	10
C. The application can be used to execute a valid payment transaction using a common payment method.	*Implement payment opportunities via an external API (ticket registration)*	15
D. The application is able to generate a PDF document.	*- Implement PDF generation(for tickets) including barcode/ QR code*	15
E. The application is able to process uploaded images or documents.	*I/O; Working with files*	10
F. The application integrates a (social) media feed through an API.	*- Integrate a social media feed via an API (examples: facebook, Twitter, Linkedin, Instagram, etc.)*	5
G. The application is able to export a generated report with important application data.	*I/O; Working with files* *Data Format & Types;*	10
H. The application can be used to import data using a common file format.	*I/O; Working with files* *Data Format & Types;*	10
I. The application provides an API to allow other applications to communicate with the application implemented by the student.	*API-module to allow other applications to communicate with the application implemented by the student.*	10
J. The application is approachable through an publicly accessible URL, the URL is handed in through Moodle, the code is handed in through Moodle.	*conditional examination requirement*	*conditional*
K. The application has been used as a final product in the course PHP1 and has received the grade '55 or higher'	*conditional examination requirement*	*conditional*
	TOTAL:	100

The cut-off score is 54/55, which means: a grade of 55 or higher gives the student a pass for this course, only if the conditional examination requirements are met.

Part A.			
A. The application uses JavaScript to enhance the user experience.	I	The application does not use JavaScript OR the application does use JavaScript but does not function correctly OR deteriorates the user experience.	0
	D	The application uses JavaScript to enhance the user experience, by giving the user feedback after submitting a form (FEEDBACK).	6
	S	The application uses JavaScript to enhance the user experience, by giving the user feedback while entering fields (FEEDFORWARD).	9
	G	The application uses JavaScript to enhance the user experience, by giving the user feedback while entering fields (FEEDFORWARD). The user is being guided in a smooth manner throughout the application using JavaScript.	12
	E	The application uses JavaScript to enhance the user experience, by giving the user feedback while entering fields (FEEDFORWARD). The user is being guided in a smooth manner throughout the application using JavaScript. JavaScript is used to make the application more dynamic and provides updates while the user is using the application.	15

Part B.			
A. The application uses a cronjob to schedule certain important tasks.	I	The application does not use cronjobs.	0
	S	The application uses a cronjob to schedule a certain task, but does not prevent of the user running it manually or more times than needed.	5
	E	The application uses a cronjob to schedule a certain task and prevents the user from running it manually or more times than needed.	10

Part C.			
C. The application can be used to execute a valid (test) payment transaction using a common payment method.	I	The application does not use any online payment methods.	0
	D	The application can be used to execute a valid payment transaction using a common payment method.	6
	S	The application can be used to execute a valid payment transaction using more than one payment method.	9
	G	The application can be used to execute a valid payment transaction using more than one payment method. The application uses the payment status to deliver or change the order status. Example given: when the order gets payed, the tickets will be generated and distributed by e-mail, but not before the payment transaction has succeeded.	12
	E	The application can be used to execute a valid payment transaction using more than one payment method. The application uses the payment status to deliver or change the order status. The payment status is even updated when the payment is not done immediately (e.g. 24 hours later). Example given: when the order gets payed, the tickets will be generated and distributed by e-mail, but not before the payment transaction has succeeded.	15

Part D.			
D. The application is able to generate a PDF document.	I	The application does not generate a PDF document.	0
	D	The application does generate a PDF document that is personalised. The document contains at least one personalised variable based on whoever requests the document.	6
	S	The application does generate a PDF document that is personalised. The document contains at least one personalised variable based on whoever requests the document. The PDF document contains a static image, QR code or barcode to be scanned at the ticket desk.	9
	G	The application does generate a PDF document that is personalised. The document contains at least one personalised variable based on whoever requests the document. The PDF document contains a dynamically generated (personalised) image, QR code or barcode to be scanned at the ticket desk.	12
	E	The application does generate a PDF document that is personalised. The document contains at least one personalised variable based on whoever requests the document. The PDF document contains a dynamically generated (personalised) image, QR code or barcode to be scanned at the ticket desk. The QR or barcode is created in a manner to prevent fraud.	15

Part E.			
E. The application is able to process uploaded images or documents.	I	The application does have the functionality to upload and/or process images.	0
	D	The application can be used to upload an image.	6
	S	The application can be used to upload an image. The image is then processed (changed, either name or metadata) by PHP.	8
	G	The application can be used to upload an image. The image is then processed and the image content is changed by PHP. For example: an image is rotated by PHP or colours are inverted or contrast is adapted.	10
	E	The application can be used to upload multiple images at once (batch uploading). The images are then processed and the content is changed by PHP. For example: a batch of images is rotated by PHP or colours are inverted or contrast is adapted.	10 + 2 bonus points

Part F.			
F. The application integrates a (social) media feed through an API.	I	The application does not use a (social) media feed or does not integrate an API client.	0
	G	The application can be used to show a feed or a variable of an external source. (READING)	3
	E	The application is connected to an external API using JSON / XML and can be used to POST / PUT information to an external API.	5

Part G.			
G. The application is able to export a generated report with important application data.	I	The application does not have an export functionality.	0
	S	The application can be used to export information (data) in a CSV file.	6
	G	The application can be used to export information (data) in a CSV file. A selection can be made which information (columns) can be exported.	10
	E	The application can be used to export information (data) in a CSV AND an Excel file (user can choose the format prior to exporting). A selection can be made which information (columns) can be exported.	10 + 2 bonus points

Part H.			
H. The application can be used to import data using a common file format.	I	The application does not have an import functionality.	0
	S	The application can be used to import information (data) from a CSV file.	6
	G	The application can be used to import information (data) from a CSV file. A selection can be made which information (columns) can be imported.	10
	E	The application can be used to export information (data) in a CSV AND an Excel file (user can choose the format prior to exporting). A selection can be made which information (columns) can be exported.	10 + 2 bonus points

Part I.			
I. The application provides an API to allow other applications to communicate with the application implemented by the student.	I	The application does not have an API server functionality.	0
	S	The application can be used to query information in a non-structured manner (returns text).	6
	G	The application can be used to query information in a structured manner (returns JSON / XML).	10
	E	The application can be used to query information in a structured manner (returns JSON / XML). The application can also be used to add information to the application (database).	10 + 2 bonus points

Part J		Criterion	Points
J. The application is approachable through an publicly accessible URL, the URL is handed, the code is handed in.	I	The application is publicly accessible, the URL is not handed in and/or the code is not handed in on Moodle.	incorrect
	S	The application is approachable through an publicly accessible URL, the URL is handed in through Moodle, the code is handed in through Moodle.	correct

Part K		Criterion	Points
K. The app has been used as a final product for PHP1 and has received '55 or higher'	I	PHP1 has received a grade of 54 or lower.	incorrect
	S	PHP1 has received a grade of 55 or higher, or the student has a legitimate exemption from the course.	correct