User Stories

> ***Important:***
>
> This project is focused on refining and enhancing the existing Ruby platform. Some user stories included here may address functionalities that are already implemented in the current system. We include these to ensure that we comprehensively review all features, verifying that they indeed meet the evolving needs of our users. This approach helps us identify whether additional modifications or optimizations are necessary to better serve our clients.

Why Use PERT for Time Estimation? The PERT method facilitates more accurate project completion time predictions by incorporating optimistic (**O**), most likely (**M**), and pessimistic (**P**) estimates of task durations. It calculates a weighted average duration using these three estimates with the formula (unit in days):

$$TE = (O + 4M + P) / 6$$

When we estimate task durations using the PERT method, we gain a balanced view of how long tasks might take, considering the best, worst, and most likely scenarios. To align these estimates with agile project management practices, we convert them into story points using an **x10** multiplier. This process transforms time estimates into a measure of complexity and effort, providing a more flexible framework for planning.

Priority is determined through discussions. The **MoSCoW** method categorises tasks into must-haves, should-haves, could-haves, and won't-haves, guiding the team on where to focus their efforts for maximum impact.

- MUST HAVE : features that must be delivered or the software will not create the expected value for the client;
- SHOULD HAVE : features that have significant value to the client and should be delivered, but not considered crucial;
- COULD HAVE features that the client considers nice to have but will not have a material impact on value, if not delivered; and
- WON'T HAVE out-of-scope features; useful as next steps for the project as potential improvements for future releases.

Epic ID	**Epic**	**User Story ID**	**As a (Role)**	**I want to (Do something)**	**So that (Achieve some goals)**	**Story Points** (TimeEst. x10)	**Complexity** LOW MEDIUM HIGH	**MoSCoW Priority**
E1	Functional	E1.1	Teacher	use an intuitive interface with minimal training	I can effortlessly navigate and utilize all features of the student competency evaluation platform	O = 1 M = 2 P = 3 SP = 20	LOW	MUST HAVE According to the client meeting on 18 March, reducing teacher workload is one of the main purposes of enhancing the current Ruby system.

E1.2	Teacher	receive accurate reports on students' true levels of understanding and performance	I can tailor my teaching strategies to meet their individual needs	O = 4 M = 5 P = 6 SP = 50	HIGH	MUST HAVE As mentioned by the clients, a more accurate report is very important and necessary.
~~E1.3~~	~~Teacher~~	~~have access to reports that assess and reflect students' mental health states~~	~~I can offer additional support to those who may be experiencing emotional or psychological stress.~~	~~O = 1~~ ~~M = 2~~ ~~P = 3~~ ~~SP = 20~~	LOW –	WON'T HAVE ~~Assessment and reflection on mental health, a function proposed by the development team, might be implemented in future releases.~~
E1.4	Teacher	obtain detailed reports on students' academic performance	I can provide constructive feedback and suggestions for improving their learning capabilities	O = 4 M = 5 P = 6 SP = 50	HIGH	WON'T HAVE As mentioned by the clients, academic performance is not a priority for now, but it can be considered for future implementation.
E1.5	Teacher	evaluate students' competencies from a general ability perspective	I can help them make progress in relevant areas and enhance their overall skills	O = 2 M = 3 P = 4 SP = 30	MEDIUM	COULD HAVE This is an existing feature that the Ruby platform already has; perhaps there is room for improvement.
E1.6	Teacher	generate evaluation reports with the fewest steps required	I can minimise my administrative workload and dedicate more time to teaching and student interaction.	O = 5 M = 6 P = 7 SP = 60	HIGH	SHOULD HAVE As one of our main goals, any improvements in reducing teachers' workload are preferred.
E1.7	Parent	able to access detailed reports encompassing my child's educational progress	I can efficiently support and monitor my kid's learning	O = 1 M = 2 P = 3 SP = 20	LOW	COULD HAVE As confirmed by the clients, parents can only access the report once teachers allow them to. Therefore, this is not a necessary feature.
E1.8	Parent	receive updates about my child's educational milestones and accomplishments	I can feel reliable and trustworthy about the Ruby educational process.	O = 1 M = 2 P = 3 SP = 20	LOW	COULD HAVE Same as E1.7

		E1.9	Student	receive recommendations to enhance my current study status and identify the strengths I should uphold from the report	I can have a clear idea of what strengths I should maintain, what problems I should improve, and how I should improve them.	O = 2 M = 3 P = 4 SP = 30	MEDIUM	SHOULD HAVE The current Ruby platform already has several reports that address this need, so further refinement is not required.
		E1.10	Student	have access to the average performance of other students in the same area	I can assess my standing relative to my peers and identify individuals from whom I can learn.	O = 1 M = 2 P = 3 SP = 20	LOW	WON'T HAVE As the client mentioned, this kind of comparison between classmates is of little significance because each person in a class may choose different courses and have different plans for the future.
		E1.11	School Leader	Continuously monitoring and evaluating the overall teaching quality in the school	I can gain a comprehensive view of the school learning environment - ensure the effectiveness of instructions and students' growth to help facilitate better management.	O = 3 M = 5 P = 7 SP = 50	HIGH	MUST HAVE Due to the task's high complexity and significance, after consulting with the client, we have classified this as a 'must have' feature.
		E1.12	System curriculum leader	Keep tracking the cohort's latest learning progress of currently available subjects	I can obtain both reflective and conclusive insights into school subjects to assist the curriculum development process.	O = 2 M = 3 P = 4 SP = 30	MEDIUM	MUST HAVE Same as E1.11
		E1.13	Teacher	Create prioritization for the confidence of different general capabilities based on the relevant teaching areas	I can provide feedback that is more focused on high-priority skills and accurately represents students' overall competency	O = 1 M = 3 P = 5 SP = 30	MEDIUM	MUST HAVE According to the meeting on April 18th, this is the primary solution to mitigate bias among teachers.
E2	Non-Functional (User	E2.1	Teacher	quickly learn how to use the evaluation	I can spend less time on technology adoption and more time on my	O = 1 M = 2 P = 3	LOW	MUST HAVE According to the client meeting on March 18th,

	experience)			platform with ease	educational responsibilities	SP = 20		reducing teacher workload is one of the main purposes of enhancing the current Ruby system.
		E2.2	Teacher	rely on the platform for accurate and consistent reporting	I can make informed decisions based on trustworthy data	O = 2 M = 3 P = 4 SP = 30	MEDIUM	SHOULD HAVE The accuracy is important in our design since it provides reliability to the outcomes.
		E2.3	Teacher	access my student's report swiftly so that I can promptly provide assistance to the student.	I can begin promptly to provide my assistance to the student without any delay.	O = 2 M = 3 P = 4 SP = 30	MEDIUM	COULD HAVE Not the main task but a faster response is better for user experience.
		E2.4	Teacher	ensure survey pages load quickly	I can complete the survey efficiently without waiting for long page load times	O = 1 M = 2 P = 3 SP = 20	LOW	COULD HAVE It is important for user efficiency and satisfaction but might not be critical compared to other features. It adds significant value to the platform by improving user experience but is not indispensable for the platform's core functionality.
		E2.5	Developer	ensure that all student data entered into the platform is securely stored and protected	the privacy and confidentiality of student information are maintained	O = 3 M = 5 P = 7 SP = 50	LOW	SHOULD HAVE According to the meeting on April 18th, data confidentiality and security are necessary for implementation but are not major concerns.
		E2.6	Teacher	visualise the students' academic ability through intuitive graphs and diagrams	I can better grasp students' strengths and areas for improvement more effectively rather than just reading plain text.	O = 2 M = 3 P = 4 SP = 30	MEDIUM	MUST HAVE Visualizing academic results through intuitive graphs and diagrams is a vital feature that significantly reduces barriers to understanding performance beyond plain text. This functionality is essential

								for enhancing the platform.
		E2.7	Student	able to access a variety learning materials in the platform	I can use these resources to enhance my skills outside of class	O = 2 M = 3 P = 4 SP = 30	LOW	WON'T HAVE Access to a variety of learning materials on the Ruby platform can enhance learning experiences and provide opportunities for self-directed study. However, it is not essential for our project as it is an add-on feature.