SAGE-HDR

Response ID	Completion date
640816-640807-77493571	6 May 2021, 10:52 (BST)

1	**Applicant Name**	Matthew Cooper
1.a	**University of Surrey email address**	mc00905@surrey.ac.uk
1.b	**Level of research**	Undergraduate
1.b.i	**Please enter your University of Surrey supervisor's name. If you have more than one supervisor, enter the details of the individual who will check this submission.**	Paul Krause
1.b.ii	**Please enter your supervisor's University of Surrey email address. If you have more than one supervisor, enter the details of the supervisor who will check this submission.**	p.krause@surrey.ac.uk
1.c	**School or Department**	Computer Science
1.d	**Faculty**	FEPS - Faculty of Engineering and Physical Sciences Sciences

2	**Project title**	A Framework for the Effective Development of Microservice Architectures

3	**Please enter a brief summary of your project and its methodology in 250 words. Please include information such as your research method/s, sample, where your research will be conducted and an overview of the aims and objectives of your research.**	Project aims to simplify the development of applications following the RESTful Micro-service architecture by creating a framework for creating, integrating and testing new services. Project is done with my employer - Hindsight Software Ltd - and aims to solve a number of issues that I have come across whilst migrating from a monolithic architecture to a set of micro-services. Not a whole lot research wise as most of the information based on the report/background has been pulled out of my time working but will mostly be focussed about ensuring that the output of the framework matches best practices so that it meets the required quality for production code.

4	**Are you making an amendment to a project with a current University of Surrey favourable ethical opinion in place?**	NO

5	**Does your research involve any animals, animal data or animal derived tissue, including cell lines?**	NO

7	**Does your project involve any of the following: human participants (including human data and/or any human tissue*); or is your project linked to engineering and/or the physical sciences?**	NO

8	**Will you be accessing any organisations, facilities or areas that may require prior permission? This includes organisations such as schools (Headteacher authorisation), care homes (manager permission), military facilities etc. If you are unsure, please contact RIGO.**	NO

9	**Will you be working with any collaborators or third parties to deliver any aspect of the research project?**	YES
9.a	**Is an agreement to work with collaborators already in place?**	YES

10	**Is your project a service evaluation or an audit?**	NO

11	**Does your funder, collaborator or other stakeholder require a mandatory ethics review to take place at the University of Surrey?**	NO

12	**Are you undertaking security-sensitive research, as defined in the text above?**	NO

30	**Declarations**	- I confirm that I have read the University's Code on Good Research Practice and ethics policy and all relevant professional and regulatory guidelines applicable to my research and that I will conduct my research in accordance with these. - I confirm that I have provided accurate and complete information regarding my research project - I understand that a false declaration or providing misleading information will be considered potential research misconduct resulting in a formal investigation and subsequent disciplinary proceedings liable for reporting to external bodies - I understand that if my answers to this form have indicated that I must submit an ethics and governance application, that I will NOT commence my research

		until a Favourable Ethical Opinion is issued and governance checks are cleared. If I do so, this will be considered research misconduct and result in a formal investigation and subsequent disciplinary proceedings liable for reporting to external bodies.
		• I understand that if I have selected any options on the higher, medium or lower risk criteria then I MUST submit an ethics and governance application (EGA) for review before conducting any research. If I have NOT selected any of the higher, medium or lower risk criteria, I understand I can proceed with my research without review and acknowledge that my SAGE answers and research project will be subject to audit and inspection by the RIGO team at a later date to check compliance

31	**If I am conducting research as a student:**	• I confirm that I have discussed my responses to the questions on this form with my supervisor to ensure they are correct. • I confirm that if I am handling any information that can identify people, such as names, email addresses or audio/video recordings and images, I will adhere to the security requirements set out in the relevant Data protection Policy