#### DESCRIPTION OF PRODUCT REQUIREMENTS

Group: C1SE.35

Project: Shared Office Finder System

Date: …03/09/2023………………………………………………………

**I. Short description of product ideas (less than 7 statements)**

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| The product is a system for searching and sharing space, users can search for spaces by address, from which users can use filters to find suitable spaces by price or spaces with high ratings. Users can also rate the spaces they have rented from low to high. Space owners can easily manage their spaces by editing necessary space information and deleting inappropriate comments. This product helps businesses or teams that want to innovate in their workspace to be more creative. |

**II. Requirements**

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| High-level Functional Requirements  (User and Owner/Agent ) | 1. Login/ Register/ Logout |
| 2. Change password |
| 3. Offices management |
| 4. Slots management |
| 5. Bookings management |
| 6. Chat |
| 7. Feedback |
| 8. Profile management |
| 9. Find office |
|  | 10. View booking history |
|  | 11. Share space with others |

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| Quality Attributes Requirements  (example related to issues: Ease  Use, Easy to Like, Easy to Learn, Easy to Understand, Easy to Buy / Yes, ...) | 1. Easy to use |
| 2. Easy to understand |
| 3. Easily view office information |
| 4. Easily submit reviews |
| 5. Have a user-friendly interface, colour harmony,  and clearness. |

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| Operation Requirements  (related to issues: Speed, Accuracy, Performance, Stability, Load Resistance, Scalability, Safety, ...) | 1. Average access speed |
| 2. High accuracy |
| 3. Stability: High |
| 4. Load Resistance: Average |
| 5. High safety |

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| Environment & Operation Requirements  (related to issues: physical impacts on the environment, interact with relevant or existing systems, conditions for product commercialization, ...) | 1. HTML, CSS, ReactJS, and Spring Boot |
| 2. Conditions for product commercialization: web |
| 3. Web Environment: Google Chrome,  Firefox, Microsoft Edge, Safari |
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| Requirements for Maintenance & Support | 1.Short and fast maintenance time |
| 2.Low maintenance cost |
| 3. Support new version development |
| 4.Monthly error check |
| 5. With 95% performance |

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| Security/ Safety Requirements  (related to issues: conditions of use / access to products, personal freedom, inspection, ...) | 1.Conditions of use: Identity verification |
| 2. Personal freedom: Freely edit, update,  personal information |
| 3. Inspection: Virus, security, firewall, database… |
| 4. |
| 5. |

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| Culture Requirements | 1. Respect the culture of the region |
| 2. Language: Vietnamese |
| 3. Equal to all users |
| 4. |
| 5. |

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| Evaluate the complexity of engineering problems |  | 1. Involving wide-ranging or conflicting technical issues |
|  | 2. Having no obvious solution |
|  | 3. Addressing problems not encompassed by current standards and codes |
| x | 4. Involving diverse groups of stakeholders |
| x | 5. Including many component parts or sub-problems |
| x | 6. Involving multiple disciplines |
|  | 7. Having significant consequences in a range of contexts |

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| Standard requirements | x | 1. Code standard. (React, Spring-boot, ..,) |
|  | 2. Design standard. (design patterns, object-oriented analysis and design,…). |
| x | 3. IEEE (1058, 1540, 830, 1016, 829, 1012, 1008) |
| x | 4. ISO/IEC/IEEE 12207:2017 (TCVN 10539:2014); ISO/IEC 25051:2006(TCVN 10540:2014); |
|  | 5. Other standards. (related to specific topics) |