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CMSI 543
Dr. Johnson
Due: Week 6
Preliminary Design Document

- **Section 1.1**

- Project description:
 - A shift scheduling app for Firefighters.
- Project management style used:
 - Scrum
- Potential users:
 - Firefighters

- **Section 1.2**

- Preliminary project requirements; these can be formalized as an SRS, an ARD, or can be a list of user stories. Try to break the project up into a CSCI breakdown which will provide an outline of the parts of the project in a hierarchical way. Note that this requirements specification is a *LIVING DOCUMENT* which you will need to update at several stages during the development of your project.
 - As a busy and tired firefighter, I want to be able to schedule my weekly shifts very quickly so I have more time to sleep.
 - As a firefighter, I want to be able to switch shifts with my fellow firefighters without having to track them down so I can spend more time with my family.
 - As a firefighter I want an easy way to check my schedule to see when I am on shift.
 - As a busy firehouse, we need to have a way to schedule shifts online so that there is less confusion and work for management.
 - As a firehouse with numerous firefighters, we need to coordinate shift schedules so that we don't get under or over booked so we can better serve the community.

- **Section 1.3**

- Preliminary design description, including diagrams and text explanations; this should show graphically the things you discuss in text in the previous section, but only needs to be a high level or top level diagram or two.

	MON	TUE	WED	THU	FRI
00:00	24HR	12HR	24HR	24HR	12HR
02:00	JEFF	ALEX	TIM	JEFF	MARY
04:00					
06:00	&	&	&	&	&
08:00					
10:00	BOB	DAN	SUE	BOB	FRED
12:00					
14:00		12HR			12HR
16:00		MARY			ALEX
18:00		&			&
20:00					
22:00		FRED			DAN
24:00					

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- **Section 1.4**
 - Preliminary development schedule; this just needs to be a basic idea of what parts will be developed in what order, and a SWAG at what will be in each iteration. Since you don't know all the details at this point, the focus should be on the functional decomposition of the project and a first shot at what might be done together as part of a single MVP. Focus on the parts you have specified in Section 1.2. **DO NOT SIMPLY LIST THESE DELIVERABLES AND THEIR DATES!**
 - Sprint 1 (*finished*):
 - Build react app - skeleton code
 - Sprint 2 (*in progress*):
 - Building a toolbar with the different pages (links to different, blank pages)
 - A calendar (not interactive yet)
 - Sprint 3 (2/23):
 - Toolbar pages link to other pages
 - A calendar (users can pick shifts)
 - Sprint 4 (3/16):
 - Implement Firebase
 - Rough option for users to request shift changes/switches
 - Sprint 5 (3/30):
 - Integrating graphical design
 - Personal accounts for users
 - Sprint 6 (4/13)
 - Start working on final pitch/presentation
 - Polish graphics/clean up code

- **Section 1.5**

- Development tools, which is just a listing of what software you'll need to use to develop your project; for example, an editor, a UI tool, perhaps a compiler, or a linker, or a browser used to test your web pages, an Agile project tool, &c.
 - React
 - HTML/CSS/JS
 - VSCode
 - Chrome
 - Bootstrap/React-Bootstrap
 - Material UI
 - Jira